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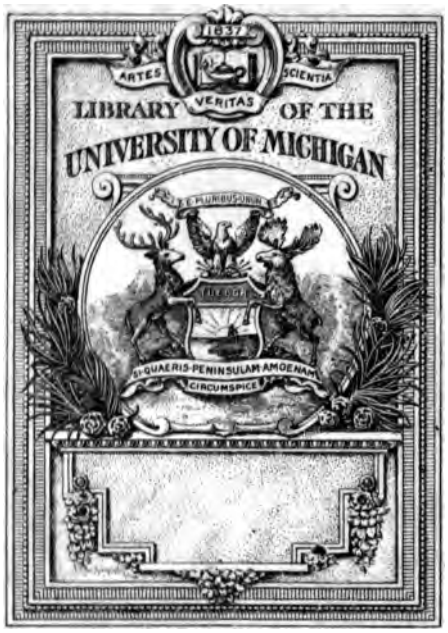

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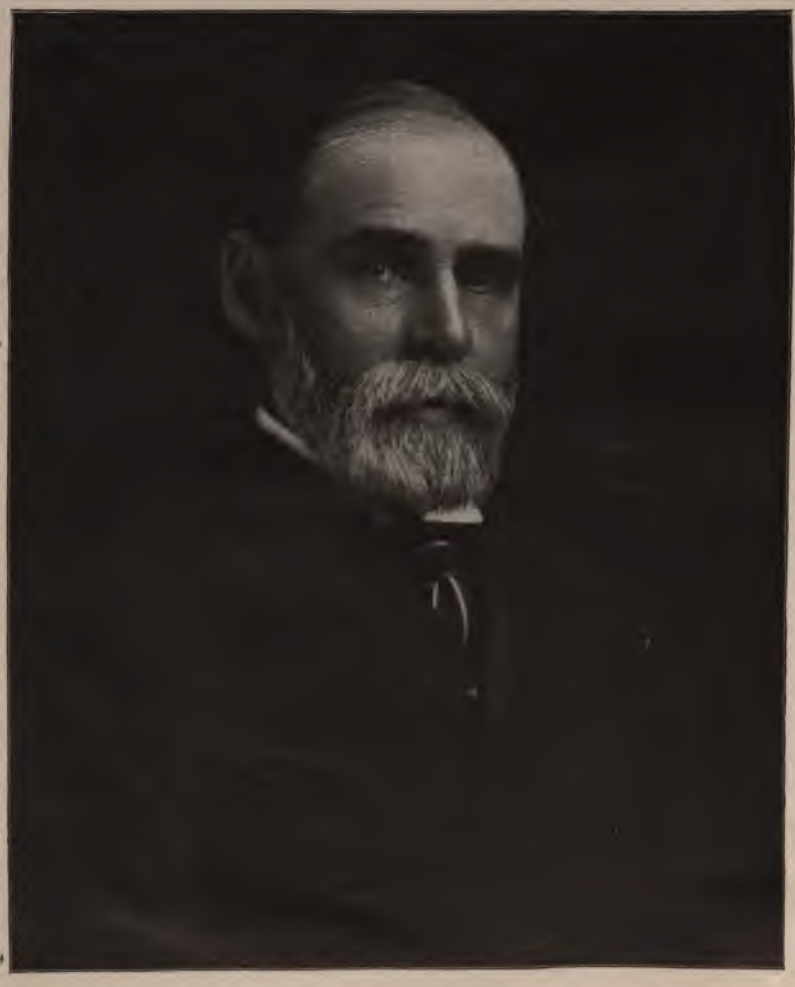

Delos Fall

SIXTY-NINTH ANNUAL REPORT

OF THE

SUPERINTENDENT OF PUBLIC INSTRUCTION

OF THE

STATE OF MICHIGAN

WITH

ACCOMPANYING DOCUMENTS

FOR

THE YEAR 1905.

BY AUTHORITY

LANSING, MICHIGAN.
WYNKOOP HALLENBECK CRAWFORD CO., STATE PRINTERS.
1906.

LETTER OF TRANSMITTAL.

STATE OF MICHIGAN,
DEPARTMENT OF PUBLIC INSTRUCTION,
Lansing, December 31, 1905.

To His Excellency, FRED M. WARNER,
Governor of the State of Michigan:

SIR—In compliance with the provisions of law, I have the honor herewith to transmit through you to the Legislature, the annual report of the Superintendent of Public Instruction, together with the accompanying documents for the year 1905.

Very respectfully,
Your obedient servant,

Patrick H. Kelley.

Superintendent of Public Instruction.

149397

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STATE OF MICHIGAN,

DEPARTMENT OF PUBLIC INSTRUCTION.

1905.

PATRICK H. KELLEY,	State Superintendent.
WALTER H. FRENCH,	Deputy Superintendent.
A. HAMLIN SMITH,	Chief Clerk.
NORA B. SHARPSTEEN,	Statistician.
GRACE B. WALLACE,	Assistant Statistician.
ZELLA M. HARVEY,	Editor.
ETTA H. GARDINE,	Stenographer.
NETTIE GARDNER,	Assistant Stenographer.
HARRY A. WILSON,	Shipping Clerk.
JOHN G. BOHNETT,	Janitor and Messenger.

STATE BOARD OF EDUCATION,

1905.

Jan. to Nov.		Nov. to Jan.	
LUTHER L. WRIGHT,	President.	WM. J. McKONE,	President.
WM. J. McKONE,	Vice President.	E. C. HINMAN,	Vice President.
JAMES H. THOMPSON,	Treasurer.	LUTHER L. WRIGHT,	Treasurer.
PATRICK H. KELLEY,	Secretary.	PATRICK H. KELLEY,	Secretary.

SUPERINTENDENTS OF PUBLIC INSTRUCTION.

APPOINTED.			
JOHN D. PIERCE,	1836–1841	DANIEL B. BRIGGS,	1873–1877
FRANKLIN SAWYER, JR.,	1841–1843	HORACE S. TARBELL,	1877–1878
OLIVER C. COMSTOCK,	1843–1845	CORNELIUS A. GOWER,	1878–1881
IRA MAYHEW,	1845–1849	VARNUM B. COCHRAN,	1881–1883
FRANCIS W. SHEARMAN,	1849–1851	HERSCHEL R. GASS,	1883–1885
		THEODORE NELSON,	1885–1887
		JOSEPH ESTABROOK,	1887–1891
ELECTED.		FERRIS S. FITCH,	1891–1893
FRANCIS W. SHEARMAN,	1851–1855	HENRY R. PATTENGILL,	1893–1897
IRA MAYHEW,	1855–1859	JASON E. HAMMOND,	1897–1901
JOHN M. GREGORY,	1859–1865	DELOS FALL,	1901–1905
ORAMEL HOSFORD,	1865–1873	PATRICK H. KELLEY,	1905–

DEPUTY SUPERINTENDENTS OF PUBLIC INSTRUCTION.

CORTAND B. STEBBINS,	1859–1878	HUGH BROWN,	1891–1893
WILLIAM L. SMITH,	1878–1883	JASON E. HAMMOND,	1893–1897
DAVID PARSONS,	1883–1885	DANIEL E. McCLURE,	1897–1901
WILLIAM L. SMITH,	1885 ——	WALTER H. FRENCH,	1901–1905
F. CLARKE,*	1885–1891	WALTER H. FRENCH,	1905 —

* place of W. L. Smith, resigned.

SUPERINTENDENT'S REPORT.

This is the sixty-ninth annual report of the Superintendent of Public Instruction. The year 1905 has witnessed a noticeable forward movement in educational matters. While in some directions no perceptible advance can be seen, in others there is marked progress so that on the whole I think we have many reasons for pride in the advancement and growth of the past year. During this year I have endeavored to the best of my ability to perform the various duties devolving upon the State Superintendent in the spirit of fairness and justice to all and I wish at this time to express my hearty appreciation of the cordial support that I have received from members of boards of education, superintendents of schools, and county commissioners.

The improvement in school work and the increased demands being made upon the public school have increased very largely the work of the school boards, school superintendents, county commissioners, and State Superintendent who compose the executive officers of our school system. The work of the Department I find has nearly doubled in the past four years.

The Legislature of 1905 in amending the School Laws added quite largely to the duties of the office. Act No. 72, amending section 4639 of the Compiled Laws, places the supervision and management of all county normal training classes in the hands of the State Superintendent. It is his duty to require boards of education to observe the laws relating to schools and he may compel obedience to such laws by appropriate legal proceedings. He is authorized to examine and audit the official records and accounts of school districts and to require all school districts to maintain school for at least five months and to provide educational facilities for all children resident in any district. He is given authority to request the Governor to remove from office any county commissioner of schools or member of board of school examiners when there shall be sufficient ground for such action, and he is authorized to prepare and print rules and regulations for the management of township and district libraries, and a course of study for the schools of the State. All these duties have been placed upon the Superintendent in addition to those heretofore imposed. I shall here briefly mention some of the work that has been accomplished during the year and will treat of some of the subjects at greater length in another place in this report.

One hundred ten teachers' institutes have been held during the current year and the aggregate attendance at these institutes was about 11,000 teachers. Permission has been given for the establishment of one additional day school for the deaf at Sault Ste. Marie. There are thirteen

of these schools in operation at present. Permission has been given for the establishment of five county normal training classes, making twenty-five of these classes in operation during the year. For the school year ending June 30, 1905, 267 young people were graduated from the county normal training classes and are employed in the rural schools of the State. During the previous year there were eighty-eight graduates so that there have been 350 graduates of these classes employed in the rural schools during this year. The attendance at the twenty-five classes which began their work in September is about 400, the numbers in the individual classes varying from ten to thirty. The apportionment of the primary school interest fund for the year 1905 was three dollars and thirty cents per capita and the total amount apportioned was $2,453,209.50.

The Department has published during the year the following pamphlets:

(a) A high school course of study for all the schools of the State.

(b) Manual training bulletin outlining the work for village and rural schools of the State.

(c) Bulletin containing a summary of the school laws of the State for easy reference, and a full set of legal forms to be used by school officers.

(d) A bulletin giving the text of the new compulsory attendance law with explanations in regard to the operation of the same.

To my worthy predecessor, Hon. Delos Fall, belongs the credit for inaugurating a movement for the improvement of the rural schools. I desire to place myself on record as approving heartily of his work in this direction and I wish to use every means at my command that will result in giving to the children of our rural districts the best possible educational advantages, for they deserve the very best at the hands of the State. After traveling up and down the State of Michigan and observing the work of the various schools and particularly the work of the *rural* schools I am convinced that the present rural school does not afford such an education for the children as they should receive. While these schools have done heroic work in the past, the world has been moving rapidly forward, and the demands upon the individual today are much greater than they ever were before and at the same time the opportunities for individual success are proportionately greater. The demand comes today from the farm, the shop, the warehouse, the store, and the school for young men and women whose training has made them accurate, honest, and self-reliant. Are the schools of today affording this training? A knowledge of the three R's is not sufficient in order to enable any young man to meet successfully the opportunities of life in this age.

The demand for trained teachers will very soon be met. We now have four State normal schools and twenty-five normal training classes and in a short time we shall have at least fifty of these classes. These institutions will supply a trained teacher for every school in the State of Michigan. When this day shall come and it will surely come in the near future, we shall have accomplished what all people who are interested in the welfare of the rising generation have been hop[illegible] for the past fifty years.

My observations lead me to the conclusion, also, that we [illegible]

many small and weak districts, districts in which the taxpayers must bear a very much heavier burden than their neighbors in larger and more wealthy districts. In fact, the unequal burden of taxation today for the support of schools is the one thing that stands in the way of attaining the desired results from our schools. Every boy and girl in the State of Michigan is entitled to at least the education afforded in a ten grade school, or a school having a course of study of ten consecutive years. The one-room rural school is unable to supply this as one teacher cannot possibly do the work. It is my purpose to recommend and work for the establishment of at least a two-room school and a ten-grade course of study in every rural district in the State. In order to accomplish this we shall be obliged to unite in some cases two, three, or four small districts. In other cases simply two districts may unite, and in still other cases a single district is large enough and wealthy enough to support the two-room school. The State Superintendent cannot accomplish this alone but if this Department, the county commissioners, and the people will unite their efforts we can have a realization of the foregoing recommendation before January 1, 1908. The matter is practically in the hands of the patrons of the rural schools. If they want better schools and more grades of work there is nothing to prevent and I cannot conceive of any reasonable argument against such a movement. In another place I shall give a summary of what has already been accomplished in the way of centralizing and enlarging rural school provileges but I wish to state again emphatically that the motto of the Department during the present administration will be "A two-room school, ten grades of work, and trained teachers for every rural district in the State."

I cannot close this introduction without mentioning the new law governing the compulsory attendance of children at school. The Legislature of 1905 passed a new law on this subject and, while it may be imperfect in some of its provisions, I wish to call attention to the fact of the necessity of some such legislation. The statistics of this Department show that of the children who ought to be in school, that is, children under the age of sixteen years, only about sixty per cent have been in the habit of attending school regularly. We have been paying out annually about $10,000,000 to educate 100 per cent of our children and have been actually reaching only about sixty per cent of them. This condition of things ought not to exist and I am happy to state that under the operation of this new law we have at least 50,000 more children in regular attendance at school than were ever in regular attendance at any one time before in the State and I wish to call the attention of the parents and taxpayers to the fact that the strict enforcement of this law is absolutely necessary to the welfare, happiness, and perpetuity of our State. Now that we have the law well in hand and officers who are charged with the execution of the law are doing their duty carefully and honestly, we cannot afford to take any steps backward.

In the following pages of this report I shall call attention to various matters relating to education in Michigan and I wish to recommend especially for careful perusal the pages treating of rural schools and centralization, county normal training classes, day schools for the deaf, and manual training.

COMPARISON OF STATISTICS.

Reference to statistical tables of the Department report for 1905 shows that for the current year Michigan had a school census of 743,184, a decrease of 1,826. Of this school census, 426,890 were in graded and city school districts and 316,294 were in ungraded or rural school districts. The total enrollment in the graded and city schools was 301,453 and in the ungraded schools 220,010, a total of 521,463, or 71.5 per cent of the school census. The reports from the city schools show an average attendance of 92 per cent, and in incorporated villages an average attendance of 90 per cent.

The number of teachers employed in graded and city schools was 7,782 and in the ungraded schools 9,041. The total wages paid to teachers was $6,009,226.14, an increase over the previous year of $328,799.67. The average monthly wages for men in graded schools was $87.63, and the average monthly wages for women in graded schools was $49.13.

The report showed that $99,712.48 was paid by non-resident students for tuition, an increase over the previous year of $2,411.43. The average number of months school in graded schools was 9.5 and in ungraded schools, 8.3. The receipts for school purposes were: Primary school interest fund, $2,328,776.11; one mill tax, $1,055,921.16; district taxes, $5,446,501.85; non-resident tuition, $99,712.48; library moneys, $72,241.14; loans, $756,108.70; from all other sources, $756,918.68; which with the cash on hand at the beginning of the year, $2,538,526.33, amounted to $13,054,706.45 available funds for the support of schools. Of this amount $9,630,696.33 was expended, which is $12.96 per capita for the total school population of the State and $18.97 per pupil enrolled. To this amount expended for education in the public schools should be added the sums expended for our several State institutions, including those that are partly charitable institutions, and the sums expended for denominational colleges, parochial schools, private schools, and business colleges. The exact figures for these special expenditures of course cannot be secured, at least the sums spent for what may be termed private institutions, but it is safe to estimate that three millions of dollars were expended in this way, and this added to the amount spent for public schools gives a grand total of $12,630,696.33 expended by the people of Michigan for the purpose of training our young people for the various walks of life and the various duties that will devolve upon them in the years to come.

The educational interests of the State do not languish because of any lack of funds but if in any school or in any locality proper results are not secured it must be due to lack of interest on the part of the patrons and officers of the schools. The interest in education is perceptibly improving through the efforts of the Grange, farmers' clubs, farmers' institutes, and teachers' institutes, but there is a great work to be done in Michigan and those who are charged with the duty of caring for the public schools must not relax their efforts to promote the welfare of every child and of every school in the State.

RURAL SCHOOLS.

During the past three years people in all parts of the State have been discussing the question of the improvement of the rural schools. Two propositions have been advanced to accomplish this purpose, which are now in operation:

First. The centralizing of small districts into larger ones or the consolidation of the rural schools.

Second. The establishment of county normal training classes wherein young persons may be specially trained for the work of teaching in the rural schools.

I desire to discuss especially the first proposition, the centralizing of schools. It has been argued that it would be wise in some cases to consolidate all the schools of the township into one at the center, as has been done in some other states, notably the State of Ohio, but from the condition of the roads and long distances to travel it is my judgment that it would be unwise in nearly every case to attempt this plan. I am convinced, however, that to consolidate two, three, or four districts would be an excellent plan in nearly all parts of the State outside of the Upper Peninsula. It is needless to say that the small district entails an unnecessary expense and affords too meager an education for our children. The public schools are established to train citizens, that is, to bring out of our boys and girls those qualities of manhood and womanhood that will enable them to successfully meet the problems of life in their later years. This being the case, the public schools should be well in the forefront of all progressive movements. They ought not to lag along in the rear in these days of rapid development in medicine, art, science, and agriculture. If it was ever true that a knowledge of the common branches was sufficient training for the young man, that day has gone by and the world is demanding today that our young men shall have had at least a high school course in order that they may enter into the several avocations open before them.

Centralization of districts.

After studying this question from all sides, I am convinced that the single room rural school does not afford proper educational advantages for the children of our rural communities. In my judgment, no school in the State of Michigan should have less than two departments and two teachers and in each of these schools there should be a course of study of at least ten grades. In any given township, by uniting or consolidating two districts at a time, we can, without materially increasing the expense, give to every child a two-room school and a ten-grade course of study. The question of education is not one of less expense but one of greater efficiency. As results are what the people demand today, I therefore urge upon all parents and taxpayers in rural communities that they shall at once take up this question of the improvement of the rural school and proceed with it from a purely business standpoint. Leave all theories out of the question but proceed with the facts. Statistics show us that the

New plan for rural schools.

cost per pupil per month in village and city schools which have high schools is not more, and in many cases it is much less, than the cost per pupil per month in the rural school where only eight grades are found. As this condition is obviously not a satisfactory one it ought no longer to exist. Although the law permitting the union of districts has been in force only since 1903, yet we already have some actual results to show. We must not be impatient, but I deem it the duty of the State Superintendent to urge this question upon the attention of our people.

Advance in centralization.

In order to show that we have advanced along the lines above indicated I have secured figures from the various counties, a summary of which follows.

First. I find that we have nine cases of the consolidation of two districts. These are found in St. Clair, Wayne, Genesee, Kent, Isabella, Marquette, Emmet, Macomb, and Kalamazoo counties.

Second. We have four cases where three or more districts have been consolidated. These are found in Charlevoix, Genesee, and Kalamazoo counties.

Third. There are 174 rural districts in the State having two departments and two teachers. There are thirty rural districts having three departments and three teachers.

Fourth. In twenty different counties people have been making plans for the consolidation of districts during the fall of 1905, and we have three counties in which the question of a township or rural high school is under consideration.

Thus it will be seen that our people have already energetically considered this matter and are taking steps in the right direction.

CENTRALIZED SCHOOLS.

Through the kindness of the county commissioners of schools I give the following statements and tables showing the conditions and results of the centralizing of districts in the counties named.

EMMET COUNTY.

The people of Littlefield township have agitated the question of consolidation and as a result part of district No. 4, Littlefield, has been consolidated with the Alanson schools. District No. 3 of Littlefield, has been abandoned and consolidated with district No. 4 of the same township. The people are well satisfied with the change and children are certainly receiving a better education in these districts and are making better progress than ever before.—R. M. Winston, Commissioner.

ISABELLA COUNTY.

Districts Nos. 2 and 3 of Wise township were consolidated in 1904 and the new district has been in operation during the school year 1904-05.

Old districts, 1901: Census, 102 pupils; attendance, 81; total expense, $650.

New district, 1905: Census, 94; attendance, 66; total expense, $967.25.

By way of explanation it should be said that of the expenses of 1905, $200 were paid for the school building debt; $36 for interest; 46.86 for repairs; $17.50 for library; leaving the actual natural expenses of the school $666.95. Further, it should be said that since 1901 quite a number of families have moved from the district so that the census and attendance is less than in 1905. Nothing has thus far been paid for transportation.

It should be said in addition to the above statement that the new consolidated district has had better teachers, more and better apparatus, and that the spirit and work of the school has been very much better than in the year 1901.

Several districts surrounding the little village of Rosebush are preparing to consolidate in the near future.—H. A. Graham, Commissioner.

MARQUETTE COUNTY.

All townships in this county are organized under the township unit system. In each township, however, there are a number of sub-districts which correspond to the ordinary rural school district. The following figures are for Tilden township:

Number of pupils in sub-district, 50; number who attended school, 17; whole number of children in township, 569; number who attended after sub-district was discontinued, 47. (Note.—Instead of 17 children, 47 now attend.)

Expenses for old subdistrict:	
Janitor, fuel, etc.	$400 00
Teacher's salary	600 00
Incidentals	200 00
Total	$2,100 00
Expenses under new plan:	
Transportation	600 00

A large covered bus is provided and heated in winter by hot soapstones. The people are very favorable to the new plan.—A. E. Sterne, Commissioner.

MACOMB COUNTY.

Two districts, each of which includes a part of the village of Richmond, the first being No. 13, Richmond, the second No. 12, Lenox, were consolidated. Census of No. 13, Richmond, 211; census of No. 12, Lenox, 178, under the old plan; attendance No. 13, Richmond, 169; attendance, No. 12, Lenox, 101; census of new district combined, 373; attendance, 288; total expense in No. 13, Richmond, $4,251.13; total expense No. 12, Lenox, $877.22; total for both districts, $5,128.35; total expense for first year after consolidation, $4,027.18. The foregoing statement shows that a larger number of pupils are now attending [illegible] in the consolidated district than formerly attended in [illegible] and that the expense is less for conducting th[illegible] Commissioner.

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STATE OF MICHIGAN,

DEPARTMENT OF PUBLIC INSTRUCTION.

1905.

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1905.

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WILLIAM L. SMITH,	1885 ——	WALTER H. FRENCH,	1901–1905
W. F. CLARKE,*	1885–1891	WALTER H. FRENCH,	1905 —

* In place of W. L. Smith, resigned.

SUPERINTENDENT'S REPORT.

This is the sixty-ninth annual report of the Superintendent of Public Instruction. The year 1905 has witnessed a noticeable forward movement in educational matters. While in some directions no perceptible advance can be seen, in others there is marked progress so that on the whole I think we have many reasons for pride in the advancement and growth of the past year. During this year I have endeavored to the best of my ability to perform the various duties devolving upon the State Superintendent in the spirit of fairness and justice to all and I wish at this time to express my hearty appreciation of the cordial support that I have received from members of boards of education, superintendents of schools, and county commissioners.

The improvement in school work and the increased demands being made upon the public school have increased very largely the work of the school boards, school superintendents, county commissioners, and State Superintendent who compose the executive officers of our school system. The work of the Department I find has nearly doubled in the past four years.

The Legislature of 1905 in amending the School Laws added quite largely to the duties of the office. Act No. 72, amending section 4639 of the Compiled Laws, places the supervision and management of all county normal training classes in the hands of the State Superintendent. It is his duty to require boards of education to observe the laws relating to schools and he may compel obedience to such laws by appropriate legal proceedings. He is authorized to examine and audit the official records and accounts of school districts and to require all school districts to maintain school for at least five months and to provide educational facilities for all children resident in any district. He is given authority to request the Governor to remove from office any county commissioner of schools or member of board of school examiners when there shall be sufficient ground for such action, and he is authorized to prepare and print rules and regulations for the management of township and district libraries, and a course of study for the schools of the State. All these duties have been placed upon the Superintendent in addition to those heretofore imposed. I shall here briefly mention some of the work that has been accomplished during the year and will treat of some of the subjects at greater length in another place in this report.

One hundred ten teachers' institutes have been held during the current year and the aggregate attendance at these institutes was about 11,000 teachers. Permission has been given for the establishment of one additional day school for the deaf at Sault Ste. Marie. There are thirteen

of these schools in operation at present. Permission has been given for the establishment of five county normal training classes, making twenty-five of these classes in operation during the year. For the school year ending June 30, 1905, 267 young people were graduated from the county normal training classes and are employed in the rural schools of the State. During the previous year there were eighty-eight graduates so that there have been 350 graduates of these classes employed in the rural schools during this year. The attendance at the twenty-five classes which began their work in September is about 400, the numbers in the individual classes varying from ten to thirty. The apportionment of the primary school interest fund for the year 1905 was three dollars and thirty cents per capita and the total amount apportioned was $2,453,-209.50.

The Department has published during the year the following pamphlets:

(a) A high school course of study for all the schools of the State.

(b) Manual training bulletin outlining the work for village and rural schools of the State.

(c) Bulletin containing a summary of the school laws of the State for easy reference, and a full set of legal forms to be used by school officers.

(d) A bulletin giving the text of the new compulsory attendance law with explanations in regard to the operation of the same.

To my worthy predecessor, Hon. Delos Fall, belongs the credit for inaugurating a movement for the improvement of the rural schools. I desire to place myself on record as approving heartily of his work in this direction and I wish to use every means at my command that will result in giving to the children of our rural districts the best possible educational advantages, for they deserve the very best at the hands of the State. After traveling up and down the State of Michigan and observing the work of the various schools and particularly the work of the *rural* schools I am convinced that the present rural school does not afford such an education for the children as they should receive. While these schools have done heroic work in the past, the world has been moving rapidly forward, and the demands upon the individual today are much greater than they ever were before and at the same time the opportunities for individual success are proportionately greater. The demand comes today from the farm, the shop, the warehouse, the store, and the school for young men and women whose training has made them accurate, honest, and self-reliant. Are the schools of today affording this training? A knowledge of the three R's is not sufficient in order to enable any young man to meet successfully the opportunities of life in this age.

The demand for trained teachers will very soon be met. We now have four State normal schools and twenty-five normal training classes and in a short time we shall have at least fifty of these classes. These institutions will supply a trained teacher for every school in the State of Michigan. When this day shall come and it will surely come in the near future, we shall have accomplished what all people who are interested in the welfare of the rising generation have been hoping for for the past fifty years.

My observations lead me to the conclusion, also, that we have too

many small and weak districts, districts in which the taxpayers must bear a very much heavier burden than their neighbors in larger and more wealthy districts. In fact, the unequal burden of taxation today for the support of schools is the one thing that stands in the way of attaining the desired results from our schools. Every boy and girl in the State of Michigan is entitled to at least the education afforded in a ten grade school, or a school having a course of study of ten consecutive years. The one-room rural school is unable to supply this as one teacher cannot possibly do the work. It is my purpose to recommend and work for the establishment of at least a two-room school and a ten-grade course of study in every rural district in the State. In order to accomplish this we shall be obliged to unite in some cases two, three, or four small districts. In other cases simply two districts may unite, and in still other cases a single district is large enough and wealthy enough to support the two-room school. The State Superintendent cannot accomplish this alone but if this Department, the county commissioners, and the people will unite their efforts we can have a realization of the foregoing recommendation before January 1, 1908. The matter is practically in the hands of the patrons of the rural schools. If they want better schools and more grades of work there is nothing to prevent and I cannot conceive of any reasonable argument against such a movement. In another place I shall give a summary of what has already been accomplished in the way of centralizing and enlarging rural school provileges but I wish to state again emphatically that the motto of the Department during the present administration will be "A two-room school, ten grades of work, and trained teachers for every rural district in the State."

I cannot close this introduction without mentioning the new law governing the compulsory attendance of children at school. The Legislature of 1905 passed a new law on this subject and, while it may be imperfect in some of its provisions, I wish to call attention to the fact of the necessity of some such legislation. The statistics of this Department show that of the children who ought to be in school, that is, children under the age of sixteen years, only about sixty per cent have been in the habit of attending school regularly. We have been paying out annually about $10,000,000 to educate 100 per cent of our children and have been actually reaching only about sixty per cent of them. This condition of things ought not to exist and I am happy to state that under the operation of this new law we have at least 50,000 more children in regular attendance at school than were ever in regular attendance at any one time before in the State and I wish to call the attention of the parents and taxpayers to the fact that the strict enforcement of this law is absolutely necessary to the welfare, happiness, and perpetuity of our State. Now that we have the law well in hand and officers who are charged with the execution of the law are doing their duty carefully and honestly, we cannot afford to take any steps backward.

In the following pages of this report I shall call attention to various matters relating to education in Michigan and I wish to recommend especially for careful perusal the pages treating of rural schools and centralization, county normal training classes, day schools for the deaf, and manual training.

COMPARISON OF STATISTICS.

Reference to statistical tables of the Department report for 1905 shows that for the current year Michigan had a school census of 743,184, a decrease of 1,826. Of this school census, 426,890 were in graded and city school districts and 316,294 were in ungraded or rural school districts. The total enrollment in the graded and city schools was 301,453 and in the ungraded schools 220,010, a total of 521,463, or 71.5 per cent of the school census. The reports from the city schools show an average attendance of 92 per cent, and in incorporated villages an average attendance of 90 per cent.

The number of teachers employed in graded and city schools was 7,782 and in the ungraded schools 9,041. The total wages paid to teachers was $6,009,226.14, an increase over the previous year of $328,-799.67. The average monthly wages for men in graded schools was $87.63, and the average monthly wages for women in graded schools was $49.13.

The report showed that $99,712.48 was paid by non-resident students for tuition, an increase over the previous year of $2,411.43. The average number of months school in graded schools was 9.5 and in ungraded schools, 8.3. The receipts for school purposes were: Primary school interest fund, $2,328,776.11; one mill tax, $1,055,921.16; district taxes, $5,446,501.85; non-resident tuition, $99,712.48; library moneys, $72,-241.14; loans, $756,108.70; from all other sources, $756,918.68; which with the cash on hand at the beginning of the year, $2,538,526.33, amounted to $13,054,706.45 available funds for the support of schools. Of this amount $9,630,696.33 was expended, which is $12.96 per capita for the total school population of the State and $18.97 per pupil enrolled. To this amount expended for education in the public schools should be added the sums expended for our several State institutions, including those that are partly charitable institutions, and the sums expended for denominational colleges, parochial schools, private schools, and business colleges. The exact figures for these special expenditures of course cannot be secured, at least the sums spent for what may be termed private institutions, but it is safe to estimate that three millions of dollars were expended in this way, and this added to the amount spent for public schools gives a grand total of $12,630,696.33 expended by the people of Michigan for the purpose of training our young people for the various walks of life and the various duties that will devolve upon them in the years to come.

The educational interests of the State do not languish because of any lack of funds but if in any school or in any locality proper results are not secured it must be due to lack of interest on the part of the patrons and officers of the schools. The interest in education is perceptibly improving through the efforts of the Grange, farmers' clubs, farmers' institutes, and teachers' institutes, but there is a great work to be done in Michigan and those who are charged with the duty of caring for the public schools must not relax their efforts to promote the welfare of every child and of every school in the State.

RURAL SCHOOLS.

During the past three years people in all parts of the State have been discussing the question of the improvement of the rural schools. Two propositions have been advanced to accomplish this purpose, which are now in operation:

First. The centralizing of small districts into larger ones or the consolidation of the rural schools.

Second. The establishment of county normal training classes wherein young persons may be specially trained for the work of teaching in the rural schools.

I desire to discuss especially the first proposition, the centralizing of schools. It has been argued that it would be wise in some cases to consolidate all the schools of the township into one at the center, as has been done in some other states, notably the State of Ohio, but from the condition of the roads and long distances to travel it is my judgment that it would be unwise in nearly every case to attempt this plan. I am convinced, however, that to consolidate two, three, or four districts would be an excellent plan in nearly all parts of the State outside of the Upper Peninsula. It is needless to say that the small district entails an unnecessary expense and affords too meager an education for our children. The public schools are established to train citizens, that is, to bring out of our boys and girls those qualities of manhood and womanhood that will enable them to successfully meet the problems of life in their later years. This being the case, the public schools should be well in the forefront of all progressive movements. They ought not to lag along in the rear in these days of rapid development in medicine, art, science, and agriculture. If it was ever true that a knowledge of the common branches was sufficient training for the young man, that day has gone by and the world is demanding today that our young men shall have had at least a high school course in order that they may enter into the several avocations open before them.

Centralization of districts.

After studying this question from all sides, I am convinced that the single room rural school does not afford proper educational advantages for the children of our rural communities. In my judgment, no school in the State of Michigan should have less than two departments and two teachers and in each of these schools there should be a course of study of at least ten grades. In any given township, by uniting or consolidating two districts at a time, we can, without materially increasing the expense, give to every child a two-room school and a ten-grade course of study. The question of education is not one of less expense but one of greater efficiency. As results are what the people demand today, I therefore urge upon all parents and taxpayers in rural communities that they shall at once take up this question of the improvement of the rural school and proceed with it from a purely business standpoint. Leave all theories out of the question but proceed with the facts. Statistics show us that the

New plan for rural schools.

cost per pupil per month in village and city schools which have high schools is not more, and in many cases it is much less, than the cost per pupil per month in the rural school where only eight grades are found. As this condition is obviously not a satisfactory one it ought no longer to exist. Although the law permitting the union of districts has been in force only since 1903, yet we already have some actual results to show. We must not be impatient, but I deem it the duty of the State Superintendent to urge this question upon the attention of our people.

Advance in centralization.

In order to show that we have advanced along the lines above indicated I have secured figures from the various counties, a summary of which follows.

First. I find that we have nine cases of the consolidation of two districts. These are found in St. Clair, Wayne, Genesee, Kent, Isabella, Marquette, Emmet, Macomb, and Kalamazoo counties.

Second. We have four cases where three or more districts have been consolidated. These are found in Charlevoix, Genesee, and Kalamazoo counties.

Third. There are 174 rural districts in the State having two departments and two teachers. There are thirty rural districts having three departments and three teachers.

Fourth. In twenty different counties people have been making plans for the consolidation of districts during the fall of 1905, and we have three counties in which the question of a township or rural high school is under consideration.

Thus it will be seen that our people have already energetically considered this matter and are taking steps in the right direction.

CENTRALIZED SCHOOLS.

Through the kindness of the county commissioners of schools I give the following statements and tables showing the conditions and results of the centralizing of districts in the counties named.

EMMET COUNTY.

The people of Littlefield township have agitated the question of consolidation and as a result part of district No. 4, Littlefield, has been consolidated with the Alanson schools. District No. 3 of Littlefield, has been abandoned and consolidated with district No. 4 of the same township. The people are well satisfied with the change and children are certainly receiving a better education in these districts and are making better progress than ever before.—R. M. Winston, Commissioner.

ISABELLA COUNTY.

Districts Nos. 2 and 3 of Wise township were consolidated in 1904 and the new district has been in operation during the school year 1904-05.

Old districts, 1901: Census, 102 pupils; attendance, 81; total expense, $650.

New district, 1905: Census, 94; attendance, 66; total expense, $967.25.

By way of explanation it should be said that of the expenses of 1905, $200 were paid for the school building debt; $36 for interest; 46.86 for repairs; $17.50 for library; leaving the actual natural expenses of the school $666.95. Further, it should be said that since 1901 quite a number of families have moved from the district so that the census and attendance is less than in 1905. Nothing has thus far been paid for transportation.

It should be said in addition to the above statement that the new consolidated district has had better teachers, more and better apparatus, and that the spirit and work of the school has been very much better than in the year 1901.

Several districts surrounding the little village of Rosebush are preparing to consolidate in the near future.—H. A. Graham, Commissioner.

MARQUETTE COUNTY.

All townships in this county are organized under the township unit system. In each township, however, there are a number of sub-districts which correspond to the ordinary rural school district. The following figures are for Tilden township:

Number of pupils in sub-district, 50; number who attended school, 17; whole number of children in township, 569; number who attended after sub-district was discontinued, 47. (Note.—Instead of 17 children, 47 now attend.)

Expenses for old subdistrict:	
Janitor, fuel, etc.	$400 00
Teacher's salary	600 00
Incidentals	200 00
Total	$2,100 00
Expenses under new plan:	
Transportation	600 00

A large covered bus is provided and heated in winter by hot soapstones. The people are very favorable to the new plan.—A. E. Sterne, Commissioner.

MACOMB COUNTY.

Two districts, each of which includes a part of the village of Richmond, the first being No. 13, Richmond, the second No. 12, Lenox, were consolidated. Census of No. 13, Richmond, 211; census of No. 12, Lenox, 178, under the old plan; attendance No. 13, Richmond, 169; attendance, No. 12, Lenox, 101; census of new district combined, 373; attendance, 288; total expense in No. 13, Richmond, $4,251.13; total expense No. 12, Lenox, $877.22; total for both districts, $5,128.35; total expense for first year after consolidation, $4,027.18. The foregoing statement shows that a larger number of pupils are now attending school in the consolidated district than formerly attended in both of the old districts and that the expense is less for conducting the school.—O. D. Thompson, Commissioner.

KENT COUNTY.

In Caledonia township, districts Nos. 8 and 9 consolidated. Before consolidation: Census No. 8, 27; attendance, 10; census No. 9, 140; attendance, 125. Census of consolidated district, 179; attendance, 144. The average entire school tax on $1,000 for four years preceding the consolidation in district No. 8 was $2.87. The average tax on $1,000 for the first year after consolidation $3.75. This shows quite an increase but the new district after consolidation installed a new heating plant in the building which added very materially to the expense. The actual expense and the actual tax per $1,000 for the running expenses of the school exclusive of this heating plant was only a few cents more than the average tax per $1,000 in the larger of the two original districts, or district No. 9. These figures show that in the new district we have more pupils attending school and every pupil having the advantages of high school training at practically no more expense than was had in the old district where only the common branches were taught.—A. R. Zimmer, Commissioner.

BENZIE COUNTY.

In accordance with your request, I hereby submit the following report concerning transportation of pupils:

1. Number of districts transporting, two; Frankfort (No. 1, Crystal Lake) and Honor, (No. 7 Homestead).
2. Frankfort transports thirty, Honor transports seventeen.
3. The length of the trip for Frankfort is four miles, that of Honor is about four miles. These lengths are just one way making eight miles both ways.
4. Cost to Frankfort is two dollars per day. Cost to Honor is one and a half dollars per day.
5. Both districts report no trouble in keeping up attendance.
6. The plan meets with favor in these two districts. I have yet to hear the first objection to the idea.

I have lectured in different parts of the county on consolidation and there seems to be a growing sentiment in its favor. No one has yet offered any argument that has weight in opposition to consolidation, but the people seem slow in putting the plan in actual practice.

These districts which I have reported are transporting within their own boundaries.—W. E. Daines, Commissioner.

KALAMAZOO COUNTY.

The question of consolidation is being considered in different parts of our county and I think the sentiment favoring the plan is growing. I hope something definite may be done before the opening of the next school year to lessen the number of very small districts in the county. We now have twenty-one districts with an attendance under ten. Several of these schools are maintained at an extravagant cost per capita, in some cases the cost per pupil being above $50.

We have some splendid locations for central schools. Reference to diagram of consolidated district shows districts Nos. 1 and 6 within

the two mile limit, and districts Nos. 4, 3, and 9 just outside the two mile circle; district No. 4 is farthest away, three miles on direct main road. The attendance as shown on diagram is as follows: No. 1, 9; No. 6, 5; No. 4, 5; No. 3, 10; No. 9, 10; combined attendance of the five districts, 39. Of course, these pupils could be transported to the central school at only a fraction of the cost of maintaining the separate schools. No. 1 cost $407 last year, teachers' wages $42 per month. This school would not enroll over six pupils next year as several advanced pupils will go to the village.

District No. 3, Cooper.

In 1901 district No. 3, Cooper, consolidated with district No. 2, Cooper. The following statistics are for these districts the last year under the separate district plan and the first year of the consolidated district.

District.	School census.	Attendance.	Months school.	Teachers' wages.	Cost of education.
No. 3, Cooper	20	11	8	$148	$171
No. 2, Cooper	35	27	9	315	407
Total	55	38	8½	$463	$578
Consolidated	55	43	9	315	429

It will be seen that teachers' wages in district No. 3, the last year before consolidating was $18.50 per month.

The consolidated district has a valuation of $194,000 and is one of our strong efficient district schools.

Transportation of pupils is not provided for. The plan is satisfactory.

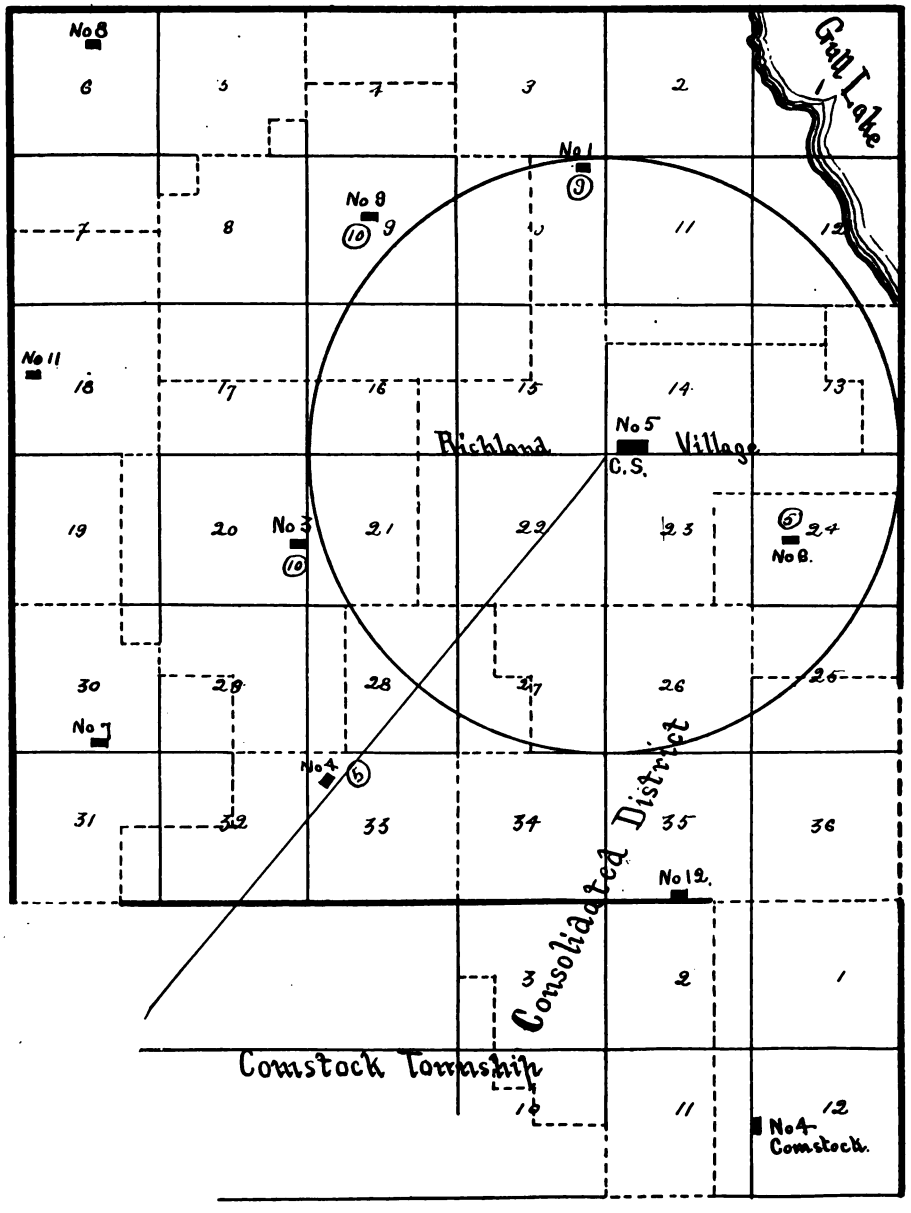
District No. 12 fr., Richland.

In 1904, districts Nos. 9 and 10, Richland township and district No. 8, Comstock township, consolidated to form district No. 12 fr., Richland.

The following statistics will serve to compare conditions the last year under the separate district plan with present conditions:

District.	School census.	Attendance.	Months school.	Teachers' wages.	Cost of education.
No. 9, Richland	22	11	8	$160	$180 00
No. 10, Richland	2	0	0	0	43 00
No. 8, Comstock	16	9	6	150	234 00
Total	40	20	Av., 4¾	$310	$457 00
Consolidated district	39	23	9	405	452 00

RICHLAND TOWNSHIP



----- District boundaries
▪ School house
O Attendance
C.S. School Richland Village

The present attendance in this consolidated district is the same as last year (twenty-three). The percentage of attendance for the first half of present year was 97½.

The valuation is $174,000. This year they pay their teacher $50 per month and very satisfactory work is being done. Patrons are well pleased with the change. No provision is made by the district to transport pupils. The patrons assist each other in getting the pupils to and from school. The percentage of attendance (97½) is among the very best records made by any of our district schools.

In computing cost of education given above I did not include the cost of moving the building onto the new site and putting it in readiness for school.—J. W. Hazard, Commissioner.

GENESEE COUNTY.

The people of Genesee county have probably given more attention to the matter of consolidating schools than those of any other county and from personal knowledge I find that the people are well pleased with the consolidated school and that it is rapidly growing in favor. It is not to be expected that every individual will be satisfied or pleased with any proposition no matter what it might be. Other localities than those mentioned in the tables below are now preparing to consolidate their districts. The following article from Commissioner F. J. Johnson gives the conditions in Genesee county:

CONSOLIDATED SCHOOL'S 'BUS.

There are two pertinent questions to ask ourselves at the outset. First, what are the defects or causes of inefficiency of the rural school as it stands today? And then, what is the solution of the problem?

Need for improvement.

Any fair-minded inquirer who is seriously seeking to improve educational conditions in our country schools and who is acquainted with the excellent quality of the work being done in our best graded schools will find upon visitation of the schools of his and neighboring townships the following conditions to exist with but very few exceptions.

1. That in the small schools, and there are over one thousand in Michigan having an average attendance of less than eight, the teachers are nearly always beginners and that the enthusiasm, spirit, and competition that are essential for any wide-awake, progressive school are lacking.

2. That the cost of maintaining these small schools is relatively high, being above forty dollars per pupil for ten months' school.

3. That in the large schools there will be found from twenty to thirty recitations per day or on an average about ten minutes for each recitation, and that while much is attempted, little comparatively is necessarily accomplished.

4. That the classification in these large schools is unavoidably faulty and some very essential work is entirely omitted.

These defective conditions have been selected because they are characteristic of our rural schools and they are always present in either

MT. MORRIS CONSOLIDATED SCHOOLS.

the small or large schools and cannot be changed. To be sure, it might happen that during some year in some school the pupils might properly be classified in one or two grades and enough be enrolled to enliven the work; or again, some skillful and experienced teacher may be employed for a term in one of the small schools.

Let us give attention to but one other consideration in answer to the first question, and that is the lack of high school advantages for the pupils of the country schools. It has been recently estimated that approximately one million dollars is expended in Michigan annually by rural school pupils in securing a high school education. It requires no figures to prove that but comparatively few take up high school work at all. If a county has sixteen townships and there are eight schools in each with but two eighth graders in each school there will be over 250 pupils ready each year to enter upon high school work. What facilities are we providing for these pupils to secure a good education? Those living within a short radius of some village or city high school may be given this opportunity, but how about the large number living remote from such schools? This is one of the serious conditions that confront us. Shall we decide that the country boy and girl should be deprived of opportunities for advancement and not be given an equal chance to compete with those educated under more favorable advantages?

Lack of advantages.

Let us not go to Ohio, Indiana, and many other states where this system is in successful operation, but consider what has been done under the conditions that we find at home. One of the accompanying cuts shows the hack with children at Mt. Morris, Michigan. The children in this case are transported from the schoolhouse situated two miles from the village of Mt. Morris. About eighteen pupils are carried to and from their former schoolhouse. At school they are distributed throughout the various grades, being properly classified and having before them as an incentive for good work the high school department.

Michigan examples.

Another cut of Grand Blanc township, Genesee county, shows the location of schools that combined with the village district. These were districts four and seven, lying northwest and southwest of the village. The heavy line represents approximately the boundary of the centralized district. Number four combined with the village district in 1903, and number seven joined the year following. There are two hacks in use, as shown in the cut, and they start for school at about fifteen minutes before eight and arrive at the building at 8:45. The children are conveyed directly to their homes before 5 o'clock in the afternoon. Contracts are made with responsible drivers and the children are answerable to the carrier for their conduct while on the road. Each of the carriers receives $250 for the transportation of the pupils on his route for ten months.

The map of this township also shows three other schools that are within a radius of three miles of the centralized school and might profitably become a part of that district. These districts lie north, northeast, and southeast of the village. This map and the tabulated statistics of these schools are given because they are typical of many localities. It frequently happens that there may be three schools situated so that a central school would be located within a mile of each. In many cases, one or two teachers in such a central school could do the work of the three in a very much improved manner.

From table number one it may be seen that the current expense for

each pupil is less in the consolidated district than in the other districts, except in number one, where the expense, per pupil per month is about twenty-eight cents less. This item, in part, measures the relative economy of the different plans, but it should be kept in mind that in the centralized school the expense, $2.30 per pupil per month, includes the cost of the high school's grades, there being eleven grades represented. It is doubtless true that should these three districts also join the centralized district the taxes might be slightly increased, but such increase would be but nominal, and, in return, all pupils would have the advantages of the high school and also better buildings, school equipment, teachers, etc.

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From table number two, which represents the village and Cook districts before and after consolidation, it will be seen that the tax on $4,000 valuation for one months' school before in the village was eighty-

GRAND BLANC CONSOLIDATED SCHOOL.

eight cents, and in the Cook district, $1.30; after consolidating the tax on the same amount for one month of school was ninety-four cents.

Table number three shows the financial comparison of the Porter district in Grand Blanc township before and after combining with the consolidated district. In this case the valuation and several other items pertaining to the larger district are slightly different than in table number one, as they are based on assessments of different years.

This is the point to be kept in view: How may we better educational conditions in an economical manner? In order that this improvement be secured there must be more interest and competition in school work

better classification of pupils, and more time for each recitation. As has been stated, all of these cannot be obtained in the small schools or in large rural schools as they are maintained in Michigan today. There are many difficulties that mar the work of some of the schools, such as excessive tardiness, irregular attendance, etc., which need not enter into this discussion since they may be removed without any changes in the present organization. But no teacher, however skillful, can successfully conduct from twenty to thirty recitations each day or put much enthusiasm into the work of a school where there are only five or six pupils. We find a great variety of plans in vogue in all of the large schools to avoid the congested conditions. Some studies are alternated, that is, physiology will come one day and government the next; or the language work of several grades will be found combined just as though there were no such thing as advancement; or four or five spelling classes will go through the form of a recitation in about ten minutes, etc. The results of such work are just what we should expect and what have brought about the much-talked-of rural school problem. What is needed is a skillful primary teacher for the first grades and an equally successful teacher adapted for the more advanced work, both having enough time to do their work in a satisfactory manner.

Advantages secured.

TABLE I.

Name and number of district.	No. of children between 5 and 20 attending school during year 1904–5.	Months of school during year.	Average daily attendance.	Per cent of attendance.	Valuation of district.	From primary school fund.	Current expenses for year.	Expenses less primary money, tuition and library money.	Amount of tax on $1 valuation for current expense.	Tax on $5,000 valuation.	Current expense for pupil per month (based on daily attendance).
No. 2, village centralized	115	10	95	83	$513,320	*$398 00 †92 00 ‡18 00	$2,192 50	$1,684 50	$0.0033	$16 50	$2 30
3, Butler	12	8	7	60	80,930	65 00	275 00	210 00	0.0026	13 00	4 90
5, Walker	18	9	9.7	53	104,400	69 00	281 00	212 00	0.002	10 00	2 89
1, Gibsonville	33	9	18.7	56	122,830	151 50	289 49	138 00	0.0011	5 50	1 72

* Primary. † Tuition. ‡ Library.

TABLE II.

BEFORE CONSOLIDATION.

	Grand Blanc Village School.	*Cook District.*
Valuation	$335,000.00	$80,670.00
District tax, except one mill tax	400.00	50.00
One mill tax	335.00	80.67
Total tax on district	735.00	130.00
Tax on $1.00 valuation	.0022	.001625
Tax on $4,000 valuation	8.80	6.50
Number months school	10	5
Tax on $4,000 for 1 month school	.88	1.30
Tax on $4,000 for each pupil of school age for 10 months	.09 (97 pupils)	.86 (15 pupils)

AFTER CONSOLIDATION.

Total valuation combined	$415,000.00
Total expense $735 and $250	985.00
Expense on $1.00	.00237
Expense on $4,000	9.48
Expense on $4,000 for 1 month school	.94
Expense on $4,000 for 10 months school, per pupil (112 pupils)	.084

TABLE III.

Consolidated district this year (1904-5). (Grand Blanc. Three districts combined.)

Valuation	$483,150.00
Primary money (based on last year)	419.40
Library money (based on last year)	22.25
Tuition	75.00
Money coming in from outside district	516.65
Salaries, teachers	1,350.00
Janitor and insurance	50.00
Fuel	150.00
Incidentals	60.00
Transportation, 2 hacks	500.00
Total expense	2,135.00
Total expense, less $516.65	1,618.35
Number months school	10
Tax on $1.00 for ten months	.00335
Tax on $4,000 for ten months' school	13.40

Porter District. (1903-4) (Before centralizing.)

Valuation	$64,680.00
Primary money (based on last year)	41.50
Library money	
Tuition	
Money coming in from outside district	41.50
Salaries, teachers	180.00
Janitor and insurance	1.00
Fuel	20.00
Incidentals	1.00
Transportation, 2 hacks	
Total expense	202.00
Total expense less $41.50	160.50
Number months' school	6
Tax on $1 for six months	.00248
Tax on $4,000 for six months' school	9.92
Tax on $4,000 for ten months' school	16.53

A careful study of the foregoing statements will show that the centralizing of two, three, or four districts is a perfectly feasible proposition which makes possible the establishment of at least a two-room school in such consolidated district. The Grand Blanc school has an eleven-grade course of study and additional districts are considering the proposition of uniting with this district. The figures here given are presented for the consideration of our people in Michigan and from actual Michigan school work and all who are interested in the matter may visit these places and determine for themselves the actual conditions. As Commissioner Johnson has said, it is not necessary for us to go to Ohio or Indiana to study this question. We have it right at hand for our consideration.

INFORMATION FOR SCHOOL OFFICERS.

THE ANNUAL SCHOOL MEETING AND HOW TO CONDUCT IT.

The order of business should be as follows:

(a) Call to order at the hour specified in the notice of the annual meeting. Moderator or president of board in the chair. Director or secretary as clerk of the meeting.

(b) Reading of the minutes of the last annual meeting, also of any special meetings held during the year.

(c) Reading of the report of the director for the past year.

(d) Reading report of treasurer for past year.

(e) Reports of committees, such as building committees, etc.

(f) Special report of the board, read by the director, giving the amount of money which has been estimated and voted by the board under the provisions of section 4674 of the school laws, for teachers' wages, fuel, incidental expenses, and deficiencies, if any.

Note.—The funds raised for these purposes are estimated and voted by the district board and by them reported directly to the assessing officers. The people of the district do not vote money for these purposes but the board should report at the annual meeting the amount they have voted to raise.

(g) Vote by the people of the district fixing the length of the school year. On this question taxpayers and parents or guardians of children included in the school census may vote. Both men and women, twenty-one years of age and citizens of the United States and qualified voters as aforesaid, have a right to vote.

(h) Disposition of surplus funds. Under the provisions of section 4676, the school board must pay over all school moneys for the purpose for which they were voted by the district, and if at the end of the school year any sum remains unused in any specific fund other than the primary school interest fund the people must vote that it shall be used for the purpose for which it was originally raised, or by a two-thirds vote they may transfer such balance to another fund.

(i) Voting of taxes. If funds are to be raised for building purpos

repairs, school apparatus, fuel, library, or the discharge of any debt or liability of the district, to pay for the transportation of pupils, or for the service of any district officer, the question should be submitted to the voters and on these questions only those who have property assessed for school taxes and reside in the district can vote.

Note 1.—No district officer is entitled to receive pay for his services unless it is voted at each annual meeting.

Note 2.—In voting money for the foregoing purposes, the amount necessary for each should be voted separately and not all together in a lump sum.

(j) If the question of bonding the school district is to be submitted at the annual meeting it should be voted upon at this time.

(k) If the question of fixing or changing a school site is to be presented, it is proper in this order.

(l) If the district desires to establish a library, it should be voted upon at this time, under the provisions of section 4757.

(m) The question of whether the district shall purchase and provide free text-books may be submitted in this order and if funds are to be raised they should be voted immediately following a vote to purchase free text-books.

(n) If the district does not desire that the schoolhouse shall be opened for public meetings, they may in this order so vote.

(o) Any other business that may lawfully come before the meeting under the head of miscellaneous business may be presented at this time.

(p) Election of officers for the ensuing year.

(q) Adjournment.

Note.—It will be noticed that the question of purchasing fuel cannot legally be submitted to the people. The district board estimates and votes the amount of money for this purpose and has authority to secure the fuel either by bid or contract.

IMPORTANT LAW POINTS.

CHALLENGING VOTERS.

(a) Under the statute, only two classes of persons may vote in a school meeting. First, on questions not involving the raising of money; citizens of the United States, male or female, twenty-one years of age, who have resided in the district at least three months and are the parents or guardians of children included in the school census of the district. Second, citizens of the United States, male or female, twenty-one years of age, who have resided in the district as aforesaid and who have property assessed for school taxes in the district may vote on any and all questions.

(b) If any legal voter in a school district meeting observes any other person offering to vote whom he does not consider, or whom he knows, is not legally qualified, he may address the chair and say, "I challenge the vote of So and So," upon which the chairman shall declare

to said person the qualifications of a voter and if the person challenged shall then state that he is qualified and the challenge is not withdrawn the chairman shall submit to him an oath found in section 4663 and if the party challenged takes this oath he may then vote. If he refuses to take the oath he shall not vote. In all cases the right to challenge a voter must be respected by the chair.

CONTENTS OF DIRECTOR'S REPORT TO THE DISTRICT.

Section 4677 prescribes the report which the director shall present.

(a) It must contain an itemized statement of all taxes assessed upon the property during the preceding year, the purposes for which such taxes were assessed, and the amount assessed for each particular purpose, also all moneys received from other sources than direct taxation. All these amounts must be itemized specifically.

(b) The report must contain a statement of the disbursements made by the district, itemized explicitly. There can be no "bunching" of items in this annual report and the report must be entered in the minutes of the meeting, and in all graded school districts said report must be published in some newspaper in the county.

Note.—It will be noted under the statute that the amount of voted tax must be reported in separate items "by purposes and amounts." The minutes of the annual meeting should contain the report of the director, also the report of the treasurer, and the financial statement of these reports must agree.

SCHOOL MEETINGS.

(a) Under Act 36 of 1905 the annual school meetings of all districts, except those organized under special charter which provides otherwise, must be held on the second Monday of July and the school year begins on that date. An annual meeting may be adjourned to any fixed date prior to the annual meeting of the board of school inspectors, which occurs on the first Monday of August.

(b) Three items of business can be done at annual school meetings only:

(1) Fixing the length of the school year.
(2) The reports of the board and members thereof.
(3) Election of officers, except where two vacancies occur on the board and to fill these a special school meeting may be called.

(c) District cannot vote less than five months school.

(d) District cannot pay transportation or tuition outside of district except by Act 190 of 1903, which applies only to those pupils who have completed the eighth grade.

(e) By Act 72 of 1905 the State Superintendent is authorized to require each district to maintain the required amount of school, also to require boards of education to observe the laws.

All other items of business mentioned in the foregoing statement may be done at a special school meeting if the notice of such meeting specifies the business to be presented. The items mentioned above as necessary

to be done at an annual meeting cannot be changed or revoked at a special meeting. For instance, if the district at the annual meeting fixes the length of the year the vote cannot be changed at a special school meeting, and it should be noted also, that no district can fix the length of the school year at less than five months.

SCHOOL INSPECTORS.

(a) Annual meeting on first Monday of August, Act 36, 1905. Must send reports to school commissioner within ten days.

(b) Must meet within twenty days after spring election and organize the board.

(c) Chairman must give bonds. Sec. 4693.

(d) Have power to divide townships into school districts. Sec. 4646.

(e) Township clerk must make map of township showing school districts. Sec. 4700.

(f) Board may detach property, or attach it, to other districts. Sec. 4653 and 4654.

(g) Board may divide or consolidate districts upon consent of a majority of resident taxpayers of each. Consent may be given by petition or by vote. Sec. 4654.

(h) Board must examine list of legally qualified teachers before certifying director's reports to the Department, and notify Department of any cases where unqualified teachers were employed. Sec. 4695.

(i) Board at annual meeting cannot correct director's report or census, but must call in the director to do so.

(j) Ten days notice of meeting of inspectors to alter boundaries of a district must be given. This is jurisdictional and necessary. Sec. 4653.

SCHOOL BOARD—PRIMARY SCHOOL DISTRICTS.

Eligibility and Acceptance.

(a) Any citizen of the United States, man or woman, twenty-one years of age, whose name appears upon the assessment roll of the township and who is the owner in his own right of the property so assessed may be elected or appointed to school office. Sec. 4669.

(b) Each member of the board within ten days after his election or appointment must file written acceptance, accompanied by affidavit setting forth the facts of Sec. 4670. See forms 16 and 17.

Powers and Duties.

(a) All business which the board is authorized or required to do must be done at a board meeting which has been lawfully called. Sec. 4671.

Note.—Director must keep record of all such meetings. Every action taken by the board must be recorded in order to be legal or binding.

(b) Must provide water supply for school and keep property in repair. Sec. 4679.

(c) Can open schoolhouse for *public* meetings only. Sec. 4679.

(d) Must specify studies to be pursued in the school—adopt course of study, and may include any studies thought proper. Sec. 4680.

2. That the cost of maintaining these small schools is relatively high, being above forty dollars per pupil for ten months' school.

3. That in the large schools there will be found from twenty to thirty recitations per day or on an average about ten minutes for each recitation, and that while much is attempted, little comparatively is necessarily accomplished.

4. That the classification in these large schools is unavoidably faulty and some very essential work is entirely omitted.

These defective conditions have been selected because they are characteristic of our rural schools and they are always present in either

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the small or large schools and cannot be changed. To be sure, it might happen that during some year in some school the pupils might properly be classified in one or two grades and enough be enrolled to enliven the work; or again, some skillful and experienced teacher may be employed for a term in one of the small schools.

Let us give attention to but one other consideration in answer to the first question, and that is the lack of high school advantages for the pupils of the country schools. It has been recently estimated that approximately one million dollars is expended in Michigan annually by rural school pupils in securing a high school education. It requires no figures to prove that but comparatively few take up high school work at all. If a county has sixteen townships and there are eight schools in each with but two eighth graders in each school there will be over 250 pupils ready each year to enter upon high school work. What facilities are we providing for these pupils to secure a good education? Those living within a short radius of some village or city high school may be given this opportunity, but how about the large number living remote from such schools? This is one of the serious conditions that confront us. Shall we decide that the country boy and girl should be deprived of opportunities for advancement and not be given an equal chance to compete with those educated under more favorable advantages?

Lack of advantages.

Let us not go to Ohio, Indiana, and many other states where this system is in successful operation, but consider what has been done under the conditions that we find at home. One of the accompanying cuts shows the hack with children at Mt. Morris, Michigan. The children in this case are transported from the schoolhouse situated two miles from the village of Mt. Morris. About eighteen pupils are carried to and from their former schoolhouse. At school they are distributed throughout the various grades, being properly classified and having before them as an incentive for good work the high school department.

Michigan examples.

Another cut of Grand Blanc township, Genesee county, shows the location of schools that combined with the village district. These were districts four and seven, lying northwest and southwest of the village. The heavy line represents approximately the boundary of the centralized district. Number four combined with the village district in 1903, and number seven joined the year following. There are two hacks in use, as shown in the cut, and they start for school at about fifteen minutes before eight and arrive at the building at 8:45. The children are conveyed directly to their homes before 5 o'clock in the afternoon. Contracts are made with responsible drivers and the children are answerable to the carrier for their conduct while on the road. Each of the carriers receives $250 for the transportation of the pupils on his route for ten months.

The map of this township also shows three other schools that are within a radius of three miles of the centralized school and might profitably become a part of that district. These districts lie north, northeast, and southeast of the village. This map and the tabulated statistics of these schools are given because they are typical of many localities. It frequently happens that there may be three schools situated so that a central school would be located within a mile of each. In many cases, one or two teachers in such a central school could do the work of the three in a very m[illegible]ed manner.

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GRAND BLANC CONSOLIDATED SCHOOL.

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Note.—It will be noted under the statute that the amount of voted tax must be reported in separate items "by purposes and amounts." The minutes of the annual meeting should contain the report of the director, also the report of the treasurer, and the financial statement of these reports must agree.

SCHOOL MEETINGS.

(a) Under Act 36 of 1905 the annual school meetings of all districts, except those organized under special charter which provides otherwise, must be held on the second Monday of July and the school year begins on that date. An annual meeting may be adjourned to any fixed date prior to the annual meeting of the board of school inspectors, which occurs on the first Monday of August.

(b) Three items of business can be done at annual school meetings only:

(1) Fixing the length of the school year.
(2) The reports of the board and members thereof.
(3) Election of officers, except where two vacancies occur on the board and to fill these a special school meeting may be called.

(c) District cannot vote less than five months school.

(d) District cannot pay transportation or tuition outside of district except by Act 190 of 1903, which applies only to those pupils who have completed the eighth grade.

(e) By Act 72 of 1905 the State Superintendent is authorized to require each district to maintain the required amount of school, also to require boards of education to observe the laws.

All other items of business mentioned in the foregoing statement may be done at a special school meeting if the notice of such meeti fies the business to be presented. The items mentioned above y

to be done at an annual meeting cannot be changed or revoked at a special meeting. For instance, if the district at the annual meeting fixes the length of the year the vote cannot be changed at a special school meeting, and it should be noted also, that no district can fix the length of the school year at less than five months.

SCHOOL INSPECTORS.

(a) Annual meeting on first Monday of August, Act 36, 1905. Must send reports to school commissioner within ten days.

(b) Must meet within twenty days after spring election and organize the board.

(c) Chairman must give bonds. Sec. 4693.

(d) Have power to divide townships into school districts. Sec. 4646.

(e) Township clerk must make map of township showing school districts. Sec. 4700.

(f) Board may detach property, or attach it, to other districts. Sec. 4653 and 4654.

(g) Board may divide or consolidate districts upon consent of a majority of resident taxpayers of each. Consent may be given by petition or by vote. Sec. 4654.

(h) Board must examine list of legally qualified teachers before certifying director's reports to the Department, and notify Department of any cases where unqualified teachers were employed. Sec. 4695.

(i) Board at annual meeting cannot correct director's report or census, but must call in the director to do so.

(j) Ten days notice of meeting of inspectors to alter boundaries of a district must be given. This is jurisdictional and necessary. Sec. 4653.

SCHOOL BOARD—PRIMARY SCHOOL DISTRICTS.

Eligibility and Acceptance.

(a) Any citizen of the United States, man or woman, twenty-one years of age, whose name appears upon the assessment roll of the township and who is the owner in his own right of the property so assessed may be elected or appointed to school office. Sec. 4669.

(b) Each member of the board within ten days after his election or appointment must file written acceptance, accompanied by affidavit setting forth the facts of Sec. 4670. See forms 16 and 17.

Powers and Duties.

(a) All business which the board is authorized or required to do must be done at a board meeting which has been lawfully called. Sec. 4671.

Note.—Director must keep record of all such meetings. Every action taken by the board must be recorded in order to be legal or binding.

(b) Must provide water supply for school and keep property in repair. Sec. 4679.

(c) Can open schoolhouse for *public* meetings only. Sec. 4679.

(d) Must specify studies to be pursued in the school—adopt course of study, and may include any studies thought proper. Sec. 4680.

2. That the cost of maintaining these small schools is relatively high, being above forty dollars per pupil for ten months' school.

3. That in the large schools there will be found from twenty to thirty recitations per day or on an average about ten minutes for each recitation, and that while much is attempted, little comparatively is necessarily accomplished.

4. That the classification in these large schools is unavoidably faulty and some very essential work is entirely omitted.

These defective conditions have been selected because they are characteristic of our rural schools and they are always present in either

MT. MORRIS CONSOLIDATED SCHOOLS.

the small or large schools and cannot be changed. To be sure, it might happen that during some year in some school the pupils might properly be classified in one or two grades and enough be enrolled to enliven the work; or again, some skillful and experienced teacher may be employed for a term in one of the small schools.

Let us give attention to but one other consideration in answer to the first question, and that is the lack of high school advantages for the pupils of the country schools. It has been recently estimated that approximately one million dollars is expended in Michigan annually by rural school pupils in securing a high school education. It requires no figures to prove that but comparatively few take up high school work at all. If a county has sixteen townships and there are eight schools in each with but two eighth graders in each school there will be over 250 pupils ready each year to enter upon high school work. What facilities are we providing for these pupils to secure a good education? Those living within a short radius of some village or city high school may be given this opportunity, but how about the large number living remote from such schools? This is one of the serious conditions that confront us. Shall we decide that the country boy and girl should be deprived of opportunities for advancement and not be given an equal chance to compete with those educated under more favorable advantages?

Lack of advantages.

Let us not go to Ohio, Indiana, and many other states where this system is in successful operation, but consider what has been done under the conditions that we find at home. One of the accompanying cuts shows the hack with children at Mt. Morris, Michigan. The children in this case are transported from the schoolhouse situated two miles from the village of Mt. Morris. About eighteen pupils are carried to and from their former schoolhouse. At school they are distributed throughout the various grades, being properly classified and having before them as an incentive for good work the high school department.

Michigan examples.

Another cut of Grand Blanc township, Genesee county, shows the location of schools that combined with the village district. These were districts four and seven, lying northwest and southwest of the village. The heavy line represents approximately the boundary of the centralized district. Number four combined with the village district in 1903, and number seven joined the year following. There are two hacks in use, as shown in the cut, and they start for school at about fifteen minutes before eight and arrive at the building at 8:45. The children are conveyed directly to their homes before 5 o'clock in the afternoon. Contracts are made with responsible drivers and the children are answerable to the carrier for their conduct while on the road. Each of the carriers receives $250 for the transportation of the pupils on his route for ten months.

The map of this township also shows three other schools that are within a radius of three miles of the centralized school and might profitably become a part of that district. These districts lie north, northeast, and southeast of the village. This map and the tabulated statistics of these schools are given because they are typical of many localities. It frequently happens that there may be three schools situated so that a central school would be located within a mile of each. In many cases, one or two teachers in such a central school could do the work of the three in a very much improved manner.

From table number one it may be seen that the current expense for

each pupil is less in the consolidated district than in the other districts, except in number one, where the expense, per pupil per month is about twenty-eight cents less. This item, in part, measures the relative economy of the different plans, but it should be kept in mind that in the centralized school the expense, $2.30 per pupil per month, includes the cost of the high school's grades, there being eleven grades represented. It is doubtless true that should these three districts also join the centralized district the taxes might be slightly increased, but such increase would be but nominal, and, in return, all pupils would have the advantages of the high school and also better buildings, school equipment, teachers, etc.

Expense in Genesee Co.

From table number two, which represents the village and Cook districts before and after consolidation, it will be seen that the tax on $4,000 valuation for one months' school before in the village was eighty-

GRAND BLANC CONSOLIDATED SCHOOL.

eight cents, and in the Cook district, $1.30; after consolidating the tax on the same amount for one month of school was ninety-four cents.

Table number three shows the financial comparison of the Porter district in Grand Blanc township before and after combining with the consolidated district. In this case the valuation and several other items pertaining to the larger district are slightly different than in table number one, as they are based on assessments of different years.

This is the point to be kept in view: How may we better educational conditions in an economical manner? In order that this improvement be secured there must be more interest and competition in school work,

better classification of pupils, and more time for each recitation. As has been stated, all of these cannot be obtained in the small schools or in large rural schools as they are maintained in Michigan today. There are many difficulties that mar the work of some of the schools, such as excessive tardiness, irregular attendance, etc., which need not enter into this discussion since they may be removed without any changes in the present organization. But no teacher, however skillful, can successfully conduct from twenty to thirty recitations each day or put much enthusiasm into the work of a school where there are only five or six pupils. We find a great variety of plans in vogue in all of the large schools to avoid the congested conditions. Some studies are alternated, that is, physiology will come one day and government the next; or the language work of several grades will be found combined just as though there were no such thing as advancement; or four or five spelling classes will go through the form of a recitation in about ten minutes, etc. The results of such work are just what we should expect and what have brought about the much-talked-of rural school problem. What is needed is a skillful primary teacher for the first grades and an equally successful teacher adapted for the more advanced work, both having enough time to do their work in a satisfactory manner.

Advantages secured.

TABLE I.

Name and number of district.	No. of children between 5 and 20 attending school during year 1904–5.	Months of school during year.	Average daily attendance.	Per cent of attendance.	Valuation of district.	From primary school fund.	Current expenses for year.	Expenses less primary money, tuition and library money.	Amount of tax on $1 valuation for current expense.	Tax on $5,000 valuation.	Current expense for pupil per month (based on daily attendance).
No. 2, village centralized	115	10	95	83	$513,320	*$898 00 †92 00 ‡18 00	$2,192 50	$1,684 50	$0.0033	$16 50	$2 30
3, Butler	12	8	7	60	80,930	65 00	275 00	210 00	0.0026	13 00	4 90
5, Walker	18	9	9.7	53	104,400	69 00	281 00	212 00	0.002	10 00	2 89
1, Gibsonville	33	9	18.7	56	122,830	151 50	289 49	138 00	0.0011	5 50	1 72

*Primary. †Tuition. ‡Library.

TABLE II.

BEFORE CONSOLIDATION.

	Grand Blanc Village School.	*Cook District.*
Valuation	$335,000.00	$80,670.00
District tax, except one mill tax	400.00	50.00
One mill tax	335.00	80.67
Total tax on district	735.00	130.00
Tax on $1.00 valuation	.0022	.001625
Tax on $4,000 valuation	8.80	6.50
Number months school	10	5
Tax on $4,000 for 1 month school	.88	1.30
Tax on $4,000 for each pupil of school age for 10 months	.09 (97 pupils)	.86 (15 pupils)

AFTER CONSOLIDATION.

Total valuation combined	$415,000.00
Total expense $735 and $250	985.00
Expense on $1.00	.00237
Expense on $4,000	9.48
Expense on $4,000 for 1 month school	.94
Expense on $4,000 for 10 months school, per pupil (112 pupils)	.084

TABLE III.

Consolidated district this year (1904-5). (Grand Blanc. Three districts combined.)

Valuation	$483,150.00
Primary money (based on last year)	419.40
Library money (based on last year)	22.25
Tuition	75.00
Money coming in from outside district	516.65
Salaries, teachers	1,350.00
Janitor and insurance	50.00
Fuel	150.00
Incidentals	60.00
Transportation, 2 hacks	500.00
Total expense	2,135.00
Total expense, less $516.65	1,618.35
Number months school	10
Tax on $1.00 for ten months	.00335
Tax on $4,000 for ten months' school	13.40

Porter District. (1903-4) (Before centralizing.)

Valuation	$64,680.00
Primary money (based on last year)	41.50
Library money	
Tuition	
Money coming in from outside district	41.50
Salaries, teachers	180.00
Janitor and insurance	1.00
Fuel	20.00
Incidentals	1.00
Transportation, 2 hacks	
Total expense	202.00
Total expense less $41.50	160.50
Number months' school	6
Tax on $1 for six months	.00248
Tax on $4,000 for six months' school	9.92
Tax on $4,000 for ten months' school	16.53

A careful study of the foregoing statements will show that the centralizing of two, three, or four districts is a perfectly feasible proposition which makes possible the establishment of at least a two-room school in such consolidated district. The Grand Blanc school has an eleven-grade course of study and additional districts are considering the proposition of uniting with this district. The figures here given are presented for the consideration of our people in Michigan and from actual Michigan school work and all who are interested in the matter may visit these places and determine for themselves the actual conditions. As Commissioner Johnson has said, it is not necessary for us to go to Ohio or Indiana to study this question. We have it right at hand for our consideration.

INFORMATION FOR SCHOOL OFFICERS.

THE ANNUAL SCHOOL MEETING AND HOW TO CONDUCT IT.

The order of business should be as follows:

(a) Call to order at the hour specified in the notice of the annual meeting. Moderator or president of board in the chair. Director or secretary as clerk of the meeting.

(b) Reading of the minutes of the last annual meeting, also of any special meetings held during the year.

(c) Reading of the report of the director for the past year.

(d) Reading report of treasurer for past year.

(e) Reports of committees, such as building committees, etc.

(f) Special report of the board, read by the director, giving the amount of money which has been estimated and voted by the board under the provisions of section 4674 of the school laws, for teachers' wages, fuel, incidental expenses, and deficiencies, if any.

Note.—The funds raised for these purposes are estimated and voted by the district board and by them reported directly to the assessing officers. The people of the district do not vote money for these purposes but the board should report at the annual meeting the amount they have voted to raise.

(g) Vote by the people of the district fixing the length of the school year. On this question taxpayers and parents or guardians of children included in the school census may vote. Both men and women, twenty-one years of age and citizens of the United States and qualified voters as aforesaid, have a right to vote.

(h) Disposition of surplus funds. Under the provisions of section 4676, the school board must pay over all school moneys for the purpose for which they were voted by the district, and if at the end of the school year any sum remains unused in any specific fund other than the primary school interest fund the people must vote that it shall be used for the purpose for which it was originally raised, or by a two-thirds vote they may transfer such balance to another fund.

(i) Voting of taxes. If funds are to be raised for building p

repairs, school apparatus, fuel, library, or the discharge of any debt or liability of the district, to pay for the transportation of pupils, or for the service of any district officer, the question should be submitted to the voters and on these questions only those who have property assessed for school taxes and reside in the district can vote.

Note 1.—No district officer is entitled to receive pay for his services unless it is voted at each annual meeting.

Note 2.—In voting money for the foregoing purposes, the amount necessary for each should be voted separately and not all together in a lump sum.

(j) If the question of bonding the school district is to be submitted at the annual meeting it should be voted upon at this time.

(k) If the question of fixing or changing a school site is to be presented, it is proper in this order.

(l) If the district desires to establish a library, it should be voted upon at this time, under the provisions of section 4757.

(m) The question of whether the district shall purchase and provide free text-books may be submitted in this order and if funds are to be raised they should be voted immediately following a vote to purchase free text-books.

(n) If the district does not desire that the schoolhouse shall be opened for public meetings, they may in this order so vote.

(o) Any other business that may lawfully come before the meeting under the head of miscellaneous business may be presented at this time.

(p) Election of officers for the ensuing year.

(q) Adjournment.

Note.—It will be noticed that the question of purchasing fuel cannot legally be submitted to the people. The district board estimates and votes the amount of money for this purpose and has authority to secure the fuel either by bid or contract.

IMPORTANT LAW POINTS.

CHALLENGING VOTERS.

(a) Under the statute, only two classes of persons may vote in a school meeting. First, on questions not involving the raising of money; citizens of the United States, male or female, twenty-one years of age, who have resided in the district at least three months and are the parents or guardians of children included in the school census of the district. Second, citizens of the United States, male or female, twenty-one years of age, who have resided in the district as aforesaid and who have property assessed for school taxes in the district may vote on any and all questions.

(b) If any legal voter in a school district meeting observes any other person offering to vote whom he does not consider, or whom he knows, is not legally qualified, he may address the chair and say, "I challenge the vote of So and So," upon which the chairman shall declare

to said person the qualifications of a voter and if the person challenged shall then state that he is qualified and the challenge is not withdrawn the chairman shall submit to him an oath found in section 4663 and if the party challenged takes this oath he may then vote. If he refuses to take the oath he shall not vote. In all cases the right to challenge a voter must be respected by the chair.

CONTENTS OF DIRECTOR'S REPORT TO THE DISTRICT.

Section 4677 prescribes the report which the director shall present.

(a) It must contain an itemized statement of all taxes assessed upon the property during the preceding year, the purposes for which such taxes were assessed, and the amount assessed for each particular purpose, also all moneys received from other sources than direct taxation. All these amounts must be itemized specifically.

(b) The report must contain a statement of the disbursements made by the district, itemized explicitly. There can be no "bunching" of items in this annual report and the report must be entered in the minutes of the meeting, and in all graded school districts said report must be published in some newspaper in the county.

Note.—It will be noted under the statute that the amount of voted tax must be reported in separate items "by purposes and amounts." The minutes of the annual meeting should contain the report of the director, also the report of the treasurer, and the financial statement of these reports must agree.

SCHOOL MEETINGS.

(a) Under Act 36 of 1905 the annual school meetings of all districts, except those organized under special charter which provides otherwise, must be held on the second Monday of July and the school year begins on that date. An annual meeting may be adjourned to any fixed date prior to the annual meeting of the board of school inspectors, which occurs on the first Monday of August.

(b) Three items of business can be done at annual school meetings only:

(1) Fixing the length of the school year.
(2) The reports of the board and members thereof.
(3) Election of officers, except where two vacancies occur on the board and to fill these a special school meeting may be called.

(c) District cannot vote less than five months school.

(d) District cannot pay transportation or tuition outside of district except by Act 190 of 1903, which applies only to those pupils who have completed the eighth grade.

(e) By Act 72 of 1905 the State Superintendent is authorized to require each district to maintain the required amount of school, also to require boards of education to observe the laws.

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SCHOOL INSPECTORS.

(a) Annual meeting on first Monday of August, Act 36, 1905. Must send reports to school commissioner within ten days.

(b) Must meet within twenty days after spring election and organize the board.

(c) Chairman must give bonds. Sec. 4693.

(d) Have power to divide townships into school districts. Sec. 4646.

(e) Township clerk must make map of township showing school districts. Sec. 4700.

(f) Board may detach property, or attach it, to other districts. Sec. 4653 and 4654.

(g) Board may divide or consolidate districts upon consent of a majority of resident taxpayers of each. Consent may be given by petition or by vote. Sec. 4654.

(h) Board must examine list of legally qualified teachers before certifying director's reports to the Department, and notify Department of any cases where unqualified teachers were employed. Sec. 4695.

(i) Board at annual meeting cannot correct director's report or census, but must call in the director to do so.

(j) Ten days notice of meeting of inspectors to alter boundaries of a district must be given. This is jurisdictional and necessary. Sec. 4653.

SCHOOL BOARD—PRIMARY SCHOOL DISTRICTS.

Eligibility and Acceptance.

(a) Any citizen of the United States, man or woman, twenty-one years of age, whose name appears upon the assessment roll of the township and who is the owner in his own right of the property so assessed may be elected or appointed to school office. Sec. 4669.

(b) Each member of the board within ten days after his election or appointment must file written acceptance, accompanied by affidavit setting forth the facts of Sec. 4670. See forms 16 and 17.

Powers and Duties.

(a) All business which the board is authorized or required to do must be done at a board meeting which has been lawfully called. Sec. 4671.

Note.—Director must keep record of all such meetings. Every action taken by the board must be recorded in order to be legal or binding.

(b) Must provide water supply for school and keep property in repair. Sec. 4679.

(c) Can open schoolhouse for *public* meetings only. Sec. 4679.

(d) Must specify studies to be pursued in the school—adopt course of study, and may include any studies thought proper. Sec. 4680.

(e) Must adopt text-books.

(f) May make rules for external management of school. Cannot interfere with the work of the teacher or the schoolroom. Sec. 4682.

(g) May expel or suspend pupils. Sec. 4682.

(h) Must admit to school children whose parents or guardians pay a school tax in the district. Sec. 4684.

(i) May admit other non-residents. Sec. 4684.

(j) Must fix rates of tuition.

Note.—All residents of the district over five years of age have a right to attend school. Sec. 4682.

(k) Must vote taxes for teachers' wages, fuel, incidentals, and deficiencies. Sec. 4674.

(l) Must report taxes and statistics to township clerk before first Monday in August. Sec. 4675.

(m) Must present annual report to annual school meeting. Sec. 4677.

Note.—All records of the district may be inspected by the taxpayers at any time.

Hiring Teachers.

(a) Board can hire only legally qualified teachers, that is those holding certificates. This applies to all grades and all kinds of instructors. Sec. 4678, 4812, and Sup. Ct. Dec.

(b) Certificates must be *seen* by the board, and must *cover the period of the contract.* Sup. Ct. Dec.

(c) There must be written contracts in all cases.

(d) Teachers must be hired by the *board* at a *board meeting.* Sup. Ct. Dec.

(e) All contracts for teaching are subject to legal holidays, and teachers are entitled to their pay for such days; also to their pay for time that school is closed on account of contagious diseases. Sec. 4678 and decisions.

(f) Boards must *know* under what authority a teacher assumes to act. Sup. Ct. Dec.

(g) Teachers may be hired at any time and for any reasonable period covered by their certificate. Sup. Ct. Dec.

DIRECTOR.

(a) Acts as clerk of all meetings and must keep record of all district and board meetings. Sec. 4686.

(b) Gives notice of all meetings.

(c) Draws warrants upon township treasurer and orders upon district treasurer.

Note.—All warrants and orders must be countersigned by the moderator.

(d) Draws all contracts with teachers.

(e) Purchases and provides necessary appendages.

(f) Keeps record of all expenses for supplies or incidentals.

(g) Makes report to board and to annual meetings.

(h) Takes census.

(i) Makes report to State Superintendent.

(j) In drawing orders upon the treasurer he must *specify* the *fund* from which the money is to be taken.

TREASURER.

(a) Must file proper bond. Sec. 4691.

(b) Must pay all orders legally drawn, and for lawful purposes.

(c) All orders must be drawn and signed by the director and countersigned by the moderator. Sec. 4685.

(d) If a treasurer pays out any money without a proper order he and his bondsmen become liable to the district for all sums so paid. Sec. 4691 and decisions.

(e) Must keep a separate account with each fund coming into his hands:

1. Account with primary school money.
2. Account with one mill tax.
3. Account with voted tax, and for each particular purpose.
4. Account with library money.
5. Account with dog tax and miscellaneous.
6. Account with interest on any deposited fund.

(f) May deposit school funds in banks in his name *as treasurer of the district.* Example: John Doe, treasurer of school district No. ..., township of ....., county of .....

(g) Any interest accruing or collected upon any funds in the hands of the treasurer belongs to the district and must be accounted for to the district. Sec. 1200 C. L. and on page 88, school laws.

(h) Must present annual report to the board and to the district.

GRADED SCHOOL DISTRICTS.

(a) A graded school district is one having one hundred or more pupils and organized under the provisions of section 4746 of the school laws, or compiled laws of 1897.

(b) Graded school districts have a board of education of five members and said board elects its own president, secretary, and treasurer from the members thereof.

(c) Members of boards of education in graded school districts hold office until their successors are elected and have qualified. Sec. 4746.

(d) If the board fails to elect its officers within twenty days after the annual meeting, the board of school inspectors of the township or city must select said officers. Sec. 4747.

(e) The requirements as to eligibility and acceptance found in sections 4669 and 4670 evidently apply in graded school districts.

(f) The provisions of section 4667 as to vacancies apply, except in cases of failure to file acceptance, as in such cases the old officers hold over one year.

(g) The provisions of section 4691 as to treasurer's bond apply in graded school districts. Must give bond in double the amount of money to come into his hands with two sureties, or the bond of a surety company.

(h) Two or more districts having together more than one hundred children may, by a two-thirds vote of each at an annual meeting, request the school inspectors of the township to unite the districts to form a graded school district. Sec. 4750.

(i) Boundaries of such districts cannot be changed without consent of board of education.

Powers and Duties of Board of Education.

(a) Classify and grade the school. Divide the school into departments. Sec. 4748.

(b) Establish a high school when directed by the voters to do so. Idem.

(c) May determine qualifications for admission to such school. Idem.

(d) Must specify the studies to be pursued and fix the course of study. Idem.

(e) Must fix rates of tuition. Idem.

(f) Audit and order payment of incidental account. Idem.

(g) Employ legally qualified teachers for all departments and make written contracts with same. Idem.

(h) Employ such "servants" as may be required. This includes superintendents, janitors, truant officers, etc. Sec. 4748.

(i) May make rules and regulations governing teachers and servants.

Note.—Boards of education in graded school districts have these powers in addition to all powers possessed by boards in primary school districts.

COUNTY NORMAL TRAINING CLASSES.

During the year 1905 twenty county normal training classes have been in operation in the following counties: Arenac, Antrim, Charlevoix, Clinton, Gratiot, Kalkaska, Oakland, Osceola, St. Clair, Wexford, Barry, Ionia, Ingham, Iosco, Midland, Mecosta, Macomb, Mason, Oceana, and Shiawassee. Two hundred sixty-seven students graduated from these classes in June, 1905. The whole number of graduates teaching during the school year of 1905-06 is about 350. The work of these young people in the schoolroom, according to the evidence of the several county commissioners of schools, entirely justifies the legislation which made it possible to establish county normal training classes. The greatest need of the rural schools is more efficient teachers and I believe we have the means at hand to supply a trained teaching force for the rural schools of the State in the very near future. In order that the work of these classes and the general requirements may become a matter of record I give herewith in full the bulletin which was issued by the Department. The bulletin contains the general rules and regulations, the plan of organizing the classes, and the course of study. It was found best to change the course of study somewhat from that pursued the first year, also to divide the year into quarters rather than semesters.

Location of classes

We have experienced some difficulty in securing the right kind of instructors for these classes. The reason for this is easy to find as Michigan entered upon an entirely new field of work and none of our educational institutions had given special training to fit persons for this kind of work. The instructors are nearly all graduates of our State normal schools and some of

Instructors in classes.

them have had University training. We have aimed to secure the highest possible degree of efficiency in the instrustors, and the courses of study in the foregoing institutions will be adjusted so that in the near future we shall be able to secure persons who have had special training for this line of work.

BULLETIN ON COUNTY NORMAL TRAINING CLASSES.

The law enacted in 1903 permitting the establishment of county normal training classes, for the perparation of teachers for rural schools, has been amended by Act No. 20 of 1905, by striking out the provisions for a two years' course and the semi-annual settlement with the State. The Superintendent of Public Instruction is given power to permit the establishment of these classes and to authorize the Auditor General to draw his warrant for a limited sum, upon certain conditions, for their support. Act No. 72 of 1905, amending the general school laws in regard to the powers of the State Superintendent, authorizes said Superintendent to have general supervision of county normal training classes and to prescribe rules and regulations for their management. The statute prescribes the conditions upon which the schools may be established and certain requirements to be met by boards of education, which are briefly stated below together with other regulations and suggestions.

RULES GOVERNING BOARDS OF EDUCATION.

I.

1. The district applying for permission to organize such class in connection with its schools must, by a majority vote, favor the proposition.
2. The board of supervisors must vote favorably upon the proposition.

II.

The board of education on behalf of the district is required:

1. To hire teachers who are satisfactory to the Superintendent of Public Instruction. Before any teacher is hired said Superintendent should be consulted.
2. To make special contracts with all teachers who work in the training classes; said contracts to specify the time to be given and salary to be paid.
3. To demand first-class teachers,—and no one should be employed who cannot command a salary anywhere of at least $700.
4. To provide suitable assembly and recitation rooms with heating and necessary equipment, and supplies as follows:
   (a) A pedagogical library consisting of at least the books mentioned in this bulletin.
   (b) Maps of all kinds and globe.

(c) Dictionary and reference books in subjects pursued.
(d) Manual training supplies.
(e) Kindergarten supplies.
(f) Sand table.
(g) Ordinary schoolroom equipment.
(h) Supplies for elementary agriculture.

5. To maintain the classes for at least thirty-six weeks in the year; all classes must be maintained for thirty-six weeks each year hereafter.

6. To certify, when application is filed, that there are at least ten persons ready to enter the class when organized.

7. To observe the rules of the State Accountant under the statutes in making out and presenting vouchers for all money disbursed for instruction.

8. To advance the money for teachers' wages until the annual reimbursement by the State.

9. To report annually such information in regard to the class as the Superintendent of Public Instruction may require.

10. To employ skillful and trained teachers for the grades in the public schools, so that the observation work may be effective.

SALARIES AND VOUCHERS.

Boards of education will observe carefully the following suggestions in paying teachers in county normal training classes, and taking their receipts for the same:

1. Two teachers must be employed to entitle the district to full reimbursement by the State. There can be no fractional parts of the sum paid. If one teacher is employed the district is entitled to be reimbursed to the amount of $500 annually. If two teachers are employed the district is entitled to receive $1,000 annually.

2. Four full hours per day, eighty hours per month of four weeks, and thirty-six weeks per year, or any number of weeks above this number as may be fixed by the board, is reckoned as the minimum work for a teacher.

3. The course of study contemplates the work of two teachers, each working four or more hours per day. Such two teachers may be two individuals, each one giving four or more hours per day to this work; or may be one individual, giving at least four hours daily, and a "composite teacher," made up of teachers from the regular faculty employed in the public school, the sum of whose work in the training class is at least four hours daily.

4. When two regular teachers are employed the board will pay these teachers at the end of each four weeks and take triplicate receipts from each on form No. 2678; the treasurer will keep one receipt from each set and at once send the other two to the Department. In said form, on lines 1, 2, and 3, the teacher will receipt for the full monthly salary paid by the treasurer of the board, the Department will fill in the second division of the receipt.

5. When the "composite teacher" is employed, made up as is indicated in number 3 above, one of them will receive the pay for all and make out the regular voucher for the full amount on form No. 2678, and will divide the amount received by him among the several indi-

viduals forming the "composite teacher" in a proper ratio according to the time given by each to teaching in the training class. Then each of said teachers, including the one who makes the regular vouchers, will fill out, in duplicate, receipts on extra form No. 42, giving the number of hours taught during the month and the amount received. The sum of these will equal the amount of the regular voucher. The treasurer of the board will keep one of these for each teacher and send the others, with all the sub-vouchers No. 2678, to the Department. This plan will enable the Department and the Auditor General to know precisely how the money is used.

6. At the end of the year the State Superintendent will certify to the Auditor General the amount to be sent by the State Treasurer to the district by way of reimbursement.

7. All blank forms, vouchers, and certificates will be furnished by the State Superintendent.

RECOMMENDATIONS.

1. That the training school year be fixed at not less than thirty-six weeks and we would suggest that the work begin one week later than that of the public schools, and thus in all cases where the school year is nine and a half or ten months the class will close earlier than the public schools.

2. That at least once during the school year the students and training teachers shall be required to visit rural schools in the county and observe the conditions, needs, and limitations of the work. The expenses for such visitation, if any, should be borne by the local board of education.

3. Two plans of employing teachers have been in operation:
   (a) The employment of two special training school teachers.
   (b) The employment of one special training teacher and the making up of a "composite teacher" from the regular teachers of the high school.

4. Where two regular teachers are employed the work should be divided between them, and each should have had special preparation, both professional and academic, and they should unite in the presentation of all phases of the work, that is, the plans of the teachers must harmonize thoroughly and they must be closely associated in directing the observation and practice teaching under the direction of the superintendent.

5. Where one regular teacher and a "composite teacher" are employed the superintendent of schools, together with the regular teacher, will supervise the observation and practice teaching and prepare the general plans of work. The division of the academic subjects between the teachers should be adjusted so that the best results may be secured.

6. We urge the adoption of one or the other of the following plans of practice teaching:
   (a) The arrangement of an ungraded room in which at least parts of three grades, or better, the representatives of four grades, shall be seated. In this ungraded room we can have part of the observation work and all the practice teaching.

(b) The second plan, and one which we advise in all cases where a "composite teacher" is arranged, is that the superintendent shall bring a small division of each of the grades below the seventh into the training schoolroom, to be taught there by the student teachers, and such pupils be returned to their respective departments when not needed for practice teaching. In order to give the students practice in managing a room, the practice teaching during the last few weeks may be done in the regular grades.

7. No practice teaching need be done in the seventh and eighth grades.

ORGANIZATION OF CLASSES.

The county normal board is authorized by law to determine qualifications for admission to the classes, to prepare a course of study, and to grant certificates to such persons as satisfactorily complete the course. From the fact that the certificates are transferable from one county to another it is highly advisable that the courses of study and general regulations shall be practically uniform. The State Superintendent therefore submits the following general plan containing regulations and course of study as a basis for the work of all the training classes. No county normal board shall modify these regulations unless it is necessary to meet local conditions:

1. The Superintendent of Public Instruction has general supervision of all the training classes and the county normal board has immediate control over the class in each county.

2. The superintendent of schools, by reason of his position, has the immediate supervision of the work done in the class. It will be his duty to direct in a general way all the work and particularly that of observation and practice teaching.

3. The county commissioner of schools, as a member of the county normal board, is expected to co-operate with the local superintendent, and upon him very largely will rest the responsibility for advertising the class and securing students. He can also assist the students in finding proper rooms and boarding places and interest the people of the county in the welfare of the class.

4. The county normal board should make suitable arrangements with the several state normal schools for recognition of the work done in the county training class and proper credit therefor to any graduate of said class who may desire to enter any of said institutions.

5. The county normal training class shall be a department of the school where located, but shall be separate and distinct in its management, having its own teachers and pursuing its own policy under the direction of the county normal board.

6. No credits shall be allowed for any academic work previously done in the public schools.

7. The training school year will be divided into four quarters of at least nine weeks each.

8. New training classes shall be organized only at the beginning of the year and not more than twenty students should be admitted to the class each year.

9. The minimum for the training teacher's month will be eighty hours of actual instruction and supervision.

10. At least four periods each day shall be occupied with instruction and training on the subjects prescribed in the course of study.

11. No person will be granted permission to enter the class later than the second Monday after its organization.

12. Each person entering the class shall file with the superintendent of schools his credentials, showing that he is eligible.

13. No person other than a member of the class shall recite with the class, except by permission of the county normal board.

14. The superintendent of schools shall see that a register of daily attendance is properly kept, and he may use such method of recording the work of the students as he deems best. It is desirable to keep an accurate and permanent record of each student. It is not necessary that a daily record of work be used.

15. Three-year certificates will be granted only on the completion of a full year's work.

16. Qualifications for admission in special cases in any particular county may be fixed by the county normal board.

17. The minimum for practice teaching is one hour per day for ten weeks by each student.

18. The text-books in *general use* in the *county* should be used in the training class.

19. At the end of the training school year and before any student shall receive his certificate the several instructors, the county commissioner, and the local superintendent shall execute a statement that the work of said student or students has been satisfactorily completed, that they have shown proper proficiency in practice teaching, and that the persons named in said statement are worthy of graduation from the county normal training class. This statement should be filed with the State Superintendent, who will immediately issue and sign certificates for each of the persons named in the foregoing statement and forward said certificates to the local superintendent of schools for presentation. The county normal training class certificate in order to be valid must be signed by the State Superintendent, the local superintendent, and the commissioner of schools.

20. If the holder of any county normal training class certificate desires to have the same transferred to another county from that in which it was granted he shall file the same with the county commissioner of schools of the county, who will call a meeting of the county board of school examiners and said board will have power to indorse the certificate or refuse its indorsement.

QUALIFICATIONS FOR ADMISSION TO CLASSES.

1. All applicants for admission must be at least seventeen years of age at the time of entrance.

2. They must subscribe to the following declaration: I hereby declare that my object in asking admission to the training class is to prepare myself for teaching, and it is my purpose to engage in teaching in the rural schools, or in schools of not more than two departments at the completion of such preparation. I pledge myself to remain in the class

during the year unless prevented by sickness or excused by the county normal board.

3. All applicants must possess a good moral character.

4. Applicants must possess these academic qualifications to enter training classes:

(a) Any person who is a graduate of a graded school having at least a course of ten grades in its curriculum.

(b) Any person who is a holder of at least a second grade certificate, or shall pass a second grade examination.

(c) Any person who has had two years of successful experience in teaching in the public schools.

COURSE OF STUDY.

FIRST QUARTER.

Psychology.
Reading, spelling, writing.
English (language work).
Arithmetic.
Manual training.
Observation (last four weeks).

SECOND QUARTER.

Psychology and pedagogy.
Classics (literary study).
Grammar.
Arithmetic and bookkeeping.
State Manual and Course of Study.
Observation.

THIRD QUARTER.

Practice teaching.
Pedagogy.
Geography.
U. S. history.
Civics and school law.

FOURTH QUARTER.

Practice teaching.
Pedagogy and school management.
Geography (three weeks), physiology (six weeks).
U. S. history.
Elementary agriculture.

Notes.—1. Music and drawing alternate through the year.

2. Sufficient time should be given in second quarter for a specific study of the State Manual as a whole.

3. Daily work in the subjects specified for each quarter.

4. In connection with reading, language, arithmetic, and geography present proper primary methods, and also give *special lessons* on general primary methods.

SYLLABUS OF WORK.

General primary methods—In this subject there should be observation of the work done in the first four grades and with it the presentation of the best modern primary methods in reading and language especially. In connection with this, show that no formal number work should be presented before the fourth grade, that numbers in the lower grades are simply incidental, and that geography in these grades is nothing more than observation work or nature study.

Drawing—This work may be done in connection with the manual training, if thought best. It should cover the fundamentals of mechani-

cal drawing and some blackboard sketching. Color work if there is time.

Music—Teach the fundamentals, together with rote singing,—daily exercises if possible, many songs suitable for schools.

FIRST QUARTER.

Psychology—Teach the fundamentals of some elementary text, as Morgan, Gordy, or Dutton. Do not attempt completion of any extensive work.

Reading—In this subject use the text-books in reading from the first to the fifth readers, having the students actually read and prepare the lessons for presentation to the class. With this, teach the best methods in spelling and penmanship. *Teach reading.*

English—This should be language work from the first to the fifth grade, inclusive, how to teach, what to teach, and when to teach it.

Arithmetic—In this work use any standard text, such as Bailey, the Hall arithmetic, Sensenig & Anderson, or Milne, both academic and professional, giving especial attention to the methods of teaching the four fundamental rules, fractions, including decimals, and percentage.

Manual training—This should include weaving, sewing, basketry, raffia, paper and cardboard cutting and folding, knife work, designing.

SECOND QUARTER.

Psychology and pedagogy—Continue work of first quarter as applied in the schoolroom.

Classics—This work will be a continuation of the reading of the first quarter, making a study of selections from standard authors, with biographies and personal sketches.

Grammar—Teach the use of text-books in common use in the county, how to teach them, together with all possible academic work.

Arithmetic—Business arithmetic and measurements, with such bookkeeping as is presented in the State Manual and Course of Study.

State Manual—Make a careful and critical study of the Manual so as to familiarize the student with every part of it, giving especial attention to the Course of Study and a daily program.

Observation—before beginning observation work it would be well to have the different members of the class teach the class itself in some subject or subjects, under the eye of the teacher. This will call their attention to the teacher's real position. This work may be done in the first quarter, after which there should be daily observation by the students in the various grades.

THIRD QUARTER.

Practice teaching—This should be arranged so that each student shall have at least the minimum amount prescribed. Do not attempt practice teaching above the sixth grade.

Pedagogy—This subject will be based upon some elementary text, such as White, and be discussed at the critic hour after the practice teaching. We would suggest that this critic hour be either the first thing in the morning or at the close of the day's work.

Geography—Teach the students how to present the elementary and advanced text-books in general use in the county and how to discriminate between important and unimportant matter. The academic side also will need to be emphasized.

U. S. history—Treat the same as stated for geography. It will be well, also, to spend two or three weeks at the opening of the quarter in sketching the period of general history contemporaneous with our early history.

Civics and school law—In school law we need to deal principally with the law governing boards of education and teachers. This will need but a short time. The subject of civics should be presented quite largely from the academic standpoint. Definite study of the Constitution.

FOURTH QUARTER.

Practice teaching—Same comments as for third quarter.

Pedagogy and school management—This should include a review of the work of the year in psychology and pedagogy and should dwell at some length on the details of everyday teaching.

Geography—This will be a completion of the work of the third quarter. Three or four weeks may be used.

Physiology—Through five or six weeks. This work should deal almost entirely with the subject of hygiene and should include discussions and explanations in regard to communicable diseases, disinfectants, and the presentation of the subject of alcohol and narcotics.

History—Work of third quarter continued.

Elementary agriculture—In presenting this subject, a small school garden would assist very materially. The material found in the bulletin sent out by the Department should be carefully presented and explained. It is not necessary to follow any text-book named in our professional list in this bulletin, but they should all be used, as no two of them cover the same ground. What we need here are fundamentals and good common sense.

Note—One important item is to make the students familiar with the text-books in general use in the county.

PROFESSIONAL BOOKS.

Psychology.

White.
Morgan.
Baldwin.
Gordy.
James.
Dexter & Garlick.
Halleck's *Psychic studies.*
Tichenor.

Methods.

White's *Art of teaching.*
Roark.
Raub.
Arnold's *Waymarks.*
McLelland.
Sabin's *Common sense didactics.*
Hinsdale's *Art of study.*
McMurray's *Method of the recitation.*
Hinsdale's *Teaching of the language arts.*

School Management.

White. Baldwin.
Tompkins. Dutton.

Pedagogy.

White's.

History of Education.

Davidson. Williams.
Painter.

Agriculture.

James' *Practical agriculture.* D. Appleton & Co.
Rural School Agriculture. Supt. Pub. Inst. of Minnesota.
Bailey's *Principles of agriculture.* Macmillan Co.
Agriculture for beginners, by Burkett, Stevens & Hill. Ginn & Co.
First book of farming, by Chas. L. Goodrich. Doubleday, Page & Co.

General.

School sanitation and decoration, by Burrage and Bailey. D. C. Heath & Co.
Redway's *Commercial geography.* Chas. Scribner's Sons.
Rowe's *Physical nature of the child.* Macmillan Co.

MANUAL TRAINING.

As the subjects of manual training, domestic science, and commercial branches have been receiving much attention by our people in recent years, special reports were requested from the superintendents of the city schools of the State in order to determine the extent to which these lines of work are being carried on in the schools of Michigan.

We have considered paper folding, cardboard construction, whittling, sewing, clay modeling, drawing, wood working, and iron working as manual training subjects and instruction in sewing, cooking, and dressmaking as domestic science. Under the commercial subjects we asked for reports upon commercial branches, stenography, typewriting, and commercial law. Of the eighty-nine cities reporting forty have installed manual training in whole or in part. While nearly all of them have the simpler forms, including wood working, but only a few have exercises in iron working. Eighteen schools reported work in free hand and mechanical drawing only in the line of manual training. Twenty-three schools reported domestic science taught. Fifty-five reported commercial branches, but not all of these include stenography and typewriting. Thus it will be seen that these special subjects have been thoroughly intrenched in our school system and the reports invariably show an increased interest in school

Nature of reports.

work and beneficial results in the academic subjects as well as in the special subjects. I give below a special statement for each city reporting, showing the work done:

ADRIAN.

Paper folding, grades 1-3; drawing, grades 1-9; drawing; cardboard cutting, and whittling, grades 5 and 6; domestic science, grades 7 and 8; commercial branches, grade 9; number of special teachers for these subjects, 2; total expense for instruction, $1,250.

ALBION.

Paper folding, grades 1 and 2; cardboard construction, grades 2-4; whittling and sewing discontinued for the present; clay modeling, grades 1-3; free hand and mechanical drawing, grades 1-10; commercial branches, 10th grade; special teachers employed, 1; salary, $750.

ALLEGAN.

Paper folding, grades 1 and 2; free hand and mechanical drawing, grades 1-10; commercial branches, stenography, typewriting, commercial law, grades 10 and 11.

ALMA

Paper folding, grades 1 and 2; cardboard construction, grades 1-3; free hand and mechanical drawing, grades 1-9; commercial law and bookkeeping, grade 11.

ANN ARBOR.

Paper folding, grade 1; cardboard construction for boys, grades 4-6; weaving, grades 2 and 3; sewing for girls, grades 4-6; clay modeling, grades 1-3; free hand drawing, grades 1-8; wood working, grades 7 and 8; cooking, grades 7 and 8; commercial branches, stenography, typewriting, commercial law, grades 9-12; one special teacher in manual training; one in domestic science; salaries, $1,900; expenses for manual training material, $268.65; for domestic science, $148.51; for equipment for both manual training and domestic science, $166.68.

AU SABLE.

Paper folding, grades 1 and 2; cardboard construction, grades 1 and 2; commercial branches, grades 10 and 11.

BAD AXE.

Paper folding, grades 1 and 2; free hand and mechanical drawing, grades 1-8; commercial branches, grade 10.

BATTLE CREEK.

Paper folding, grade 1; cardboard construction, grade 4; whittling, grades 5 and 6; sewing, grades 5 and 6; weaving, grade 2; mechanical drawing, grade 11; wood working, grades 7-10; raffia and reed work, grade 3; cooking, grades 7 and 8; dress making, grades 9 and 10; com-

mercial branches, grade 10; two special teachers in manual training; one special teacher in domestic science; total teachers' salaries, $2,125; total expenses for manual training, $276; expenses for domestic science, $298.64; total value of special equipment, $1,316.53.

BAY CITY.

Paper folding, grade 1; cardboard construction, grades 3-8; sewing, grades 3-6; clay modeling, grades 1 and 2; free hand and mechanical drawing, grades 1-10; wood working, grades 9 and 10; cooking, grades 7-9; stenography, typewriting, and commercial law, grades 10 and 11; one special teacher each for manual training, domestic science, sewing, and drawing; total salaries for special teachers, $3,200; value of special buildings and equipment, $2,000.

BEAVERTON.

Paper folding and cardboard construction, grade 1; free hand and mechanical drawing, grades 1-12; commercial branches, grades 10-12; typewriting, grade 12.

BENTON HARBOR.

Paper folding, grades 1-4; free hand and mechanical drawing, grades 1-8.

BESSEMER.

Commercial branches, grade 8.

BIG RAPIDS.

Commercial branches, grades 10-12.

CADILLAC.

Paper folding, grades 1 and 2; cardboard construction, grades 1-5; free hand and mechanical drawing, grades 1-5.

CALUMET.

Whittling, grades 5 and 6; sewing, grades 5-12; clay modeling, grades 1-3; free hand and mechanical drawing, grades 1-12; wood working, grades 5-9; iron working, grades 9-12; cooking, grades 11 and 12; dressmaking, grades 10-12; commercial branches, grades 9 and 10; stenography, typewriting, and commercial law, grade 10; five special teachers in domestic science; salaries of manual training teachers, $3,950; salaries of domestic science teachers, $1,500; value of special buildings and equipment, $40,000.

CHARLEVOIX.

Paper folding, grades 1 and 2; cardboard construction, grades 1 and 2; commercial branches, stenography, typewriting and commercial law, grades 11 and 12.

CHARLOTTE.

Paper folding, grades 1-3; cardboard construction, grades 2-4; whittling, grades 4-8; sewing, grades 4-8; clay modeling, grade 1; free hand drawing, grades 4-8; commercial branches, grade 11; salary of manual training teacher, $500; total expenses for manual training, including teacher's salary, $700.

CHEBOYGAN.

Paper folding, grade 1; drawing, grades 1-8; commercial branches, grade 8.

COLDWATER.

Paper folding, grade 1; cardboard construction, grades 2 and 3; whittling, grade 7; sewing, grades 5-11; clay modeling, grade 4; iron working, grades 5 and 6; commercial branches, grades 9-12; stenography, typewriting, and commercial law, grades 10-12; one special teacher in manual training, salary $500; total expenses including salary, $750; value of special equipment, $150.

COLEMAN.

Paper folding, grades 1-3; cardboard construction, grades 2 and 3; clay modeling, grades 1-3; drawing, grades 3 and 4; commercial branches, grade 10.

CORUNNA.

Paper folding, grades 1 and 2; drawing, grades 1-9; commercial branches, grades 9 and 10.

CRYSTAL FALLS.

Paper folding, grades 1 and 2; cardboard construction, grades 1 and 2; sewing, grades 1 and 2; drawing, grades 1-9; special building in process of construction for manual training and domestic science.

DETROIT.

Paper folding, grades 1-3; cardboard construction, grades 4 and 5; whittling and working drawing, grade 6; sewing, grades 4-6; clay modeling, grades 1-8; drawing, grades 1-8; wood working, grades 6-9; cooking, grades 6-8; garment making, grades 4-6; commercial branches, grades 8-10; stenography and typewriting, grades 9-11; seven special teachers of manual training and fifteen special teachers of domestic science; salaries of manual training teachers, $8,000; of domestic science teachers, $10,550; total expenses for manual training, including salaries, $9,464; total expenses for domestic science, including salaries, $12,637.50.

DOWAGIAC.

Paper folding and cardboard construction, grades 1 and 2; mechanical drawing, grade 11; commercial branches, grades 9-11.

EATON RAPIDS.

Paper folding, grade 1; cardboard construction, grade 3; sewing, grades 6-8; clay modeling, grade 1; drawing, grades 6-8; wood working, grades 6-8; bent iron working, grade 5; one special manual training teacher, $450; expenses for manual training, including salaries, $650; value of equipment, 300.

ESCANABA.

Sewing in kindergarten; stenography, typewriting, and commercial law, grades 11 and 12.

FLINT.

Paper folding, grades 1 and 2; sewing, grades 7 and 8; free hand drawing, grades 1-8; mechanical drawing, grades 10-12; wood working, grades 7 and 8; commercial branches, grades 9-11; stenography and typewriting, grades 11-12; one special manual training teacher, salary $650; expenses for material, $200; value of special equipment, $1,500.

GRAND HAVEN.

Paper folding and cardboard construction in kindergarten; commercial branches, grades 9 and 10; stenography and typewriting, grades 11 and 12.

GRAND RAPIDS.

Paper folding, grades 1 and 2; cardboard construction, grades 2-8; whittling for boys, grade 5; sewing for girls, grades 5 and 6; clay modeling, grades 1-8; free hand and mechanical drawing, grades 1-10; wood working, grades 6-8; cooking, grades 7 and 8; commercial branches, grades 9 and 10; stenography, typewriting, and commercial law, grade 12; five manual training teachers employed, salaries $4,500; seven domestic science teachers employed, salaries $4,525; special expenses for manual training and domestic science, $3,631.48; value of special equipment, $2,500.

GREENVILLE.

Commercial branches, stenography, and typewriting, grades 9-12.

HASTINGS.

Paper folding, grades 1-3; cardboard construction, grades 2-4; whittling, grades 4-6; clay modeling, grades 1-6; drawing, grades 1-9; bent iron working, grades 7 and 8; dressmaking, grade 8; commercial branches, stenography, and typewriting, grades 10 and 11; one special manual training teacher, salary $500; total expenses for manual training, including salary, $958.

HOLLAND.

Paper folding, grades 1 and 2; cardboard construction, grades 1-3; clay modeling, grades 1 and 2; free hand and mechanical drawing, grades 1-12.

HOUGHTON.

Paper folding, grades 1-2; cardboard construction, grades 1 and 2; clay modeling, grades 1 and 2; drawing, grades 1-8; commercial branches, stenography, and typewriting, grades 8-12.

HILLSDALE.

Paper folding, grades 1 and 2; cardboard construction, grades 3 and 4; whittling, grades 6 and 7; sewing, grades 5-7; clay modeling, grades 1 and 2; wood working, grades 6 and 7; bent iron working, grade 5; one manual training teacher, salary $550.

IONIA.

Stenography, typewriting, and commercial law, grades 11 and 12.

IRON MOUNTAIN.

Paper folding, grade 1; sewing, grade 7; mechanical drawing, grade 10; wood working, grades 7-9; cooking, grades 8 and 10; dressmaking, grade 9; lathe and pattern work, grade 11; commercial branches, grade 10; stenography and typewriting, grades 11 and 12; one manual training teacher, salary $855; one domestic science teacher, salary $760; expenses for manual training, including salary, $1,200; expenses for domestic science, including salary, $1,000; value of special buildings and equipment, $8,000.

IRONWOOD.

Sewing, grades 5, 6, and 9; cooking, grades 7, 8, 11, and 12; dressmaking, grade 10; three teachers domestic science, salaries $1,600; total expenses for domestic science, including salaries, $2,000; value of the special building and equipment, $24,000.

ISHPEMING.

Paper construction, grades 1-8; weaving, grades 3 and 4; sewing, grade 7; clay modeling, grades 1-3; free hand drawing, grades 1-12; iron working, grades 10-12; cooking, grades 8 and 9; dressmaking, grade 10; mechanical drawing, grades 10 and 11; stenography and typewriting, grades 8-12; two manual training teachers, salaries $1,700; one domestic science teacher, salary $850; one drawing teacher for manual training, salary, $1,100; total expenses for manual training, $2,500; for domestic science, $1,200; value of special buildings and equipment, $25,000.

ITHACA.

Paper folding and cardboard construction, grades 1 and 2; commercial branches, grade 10.

KALAMAZOO.

Paper folding, grades 1-4; cardboard construction, grades 1-4; whittling, grades 5 and 6; sewing, grades 5 and 6; clay modeling, grade 1; free hand and mechanical drawing, grades 9 and 10; wood working,

grades 7, 8, and 11; cooking, grades 7 and 8; dressmaking, grades 9 and 10; commercial branches, grade 9; five manual training teachers employed, salaries $3,375; two domestic science teachers, salaries $1,300; expenses for manual training, domestic science, and drawing, $1,000, not including salaries; value of special buildings and equipment, $15,000.

L'ANSE.

Paper folding, grades 1 and 2; free hand drawing, grades 2-5; commercial branches, grade 11.

LANSING.

Paper folding, grades 1 and 2; cardboard construction, grades 3 and 4; whittling and sewing, grades 5 and 6; commercial branches, grade 9; one manual training teacher, salary $600; one domestic science teacher, salary $400; special expenses for manual training and domestic science, $500.

LAPEER.

Drawing, grades 1-12; commercial branches, grade 9; stenography and typewriting, grade 11.

LUDINGTON.

Paper folding, grades 1-3; cardboard construction, grades 2 and 3; whittling, grades 6 and 7; sewing, grades 6 and 7; clay modeling, grades 1 and 3; drawing, grades 1-8; wood working with knife, grades 6 and 7; one manual training teacher, salary $800; total expenses for manual training, including salary, $1,200; value of special buildings and equipment, $300.

MANISTIQUE.

Commercial branches, grades 9 and 10; stenography and typewriting, grade 11.

MARINE CITY.

Paper folding, grade 1; cardboard construction, grades 2 and 3; clay modeling, grades 4 and 5; commercial branches, grade 11.

MARQUETTE.

Sewing, grades 7-9; free hand and mechanical drawing, grades 9 and 10; wood working, grades 7-10; cooking, grades 7-10; dressmaking, grade 10; commercial branches, grade 9; stenography and typewriting, grades 10 and 11; one manual training teacher, salary $1,200; one domestic science teacher, salary $750; total expenses for manual training, including salary, $1,958.83; total expenses for domestic science, including salary, $990; value of special buildings and equipment, $30,000.

MARSHALL.

Paper folding, grades 1 and 2; cardboard construction, grades 3 and 4; whittling and wood working, grades 7 and 8; sewing, grades 5-8; clay modeling, grades 1 and 2; drawing, grades 1-12; bent iron working, grades 5 and 6; dressmaking, grades 7 and 8; commercial branches, grade 10; one manual training teacher, salary $450; value of equipment, $100.

MASON.

Paper folding, grades 1-7; drawing, grades 1-9.

MENOMINEE.

Paper folding, grades 1 and 2; whittling, grades 5 and 6; sewing, grades 5-9; mechanical drawing, grades 9-11; wood working, grades 4-9; dressmaking, grades 8 and 9; one manual training teacher, salary $807.50; one domestic science teacher, salary $522.50; expenses for manual training supplies, $525.83; expenses for domestic science material, $22.35.

MONROE.

Paper folding, grade 1; cardboard construction, grades 2-6; sewing, grades 5 and 6; clay modeling, grades 1-3; weaving, grades 2-6; expenses for manual training supplies, $50.

MT. CLEMENS.

Stenography and typewriting, grades 11 and 12.

MUNISING.

Paper folding and cardboard construction, grades 1 and 2; sewing, grade 1; clay modeling, grade 3.

MUSKEGON.

Paper folding and cardboard construction, grades 1 and 2; whittling, grades 5 and 6; sewing, grades 1-7; free hand drawing, grades 1-10; mechanical drawing, grades 8-12; wood working, grades 7-10; iron working, grades 10-12; cooking, laundry and hygienic sanitation, grades 8-12; dressmaking, grades 8-12; commercial branches, grades 9-12; stenography and typewriting, grades 9-11.

Special Teachers.

Director of manual training, salary	$2,100.00
Mechanical drawing	1,200.00
Forging and machine shop	1,100.00
Pattern making, electricity, and foundry	1,000.00
Joinery	900.00
Turning and elementary work	700.00
Free hand drawing	1,150.00
Design and applied art	850.00
Domestic science, 2 teachers	1,800.00
Domestic art, 2 teachers	1,400.00
Supervisor of sewing	750.00
	$12,950.00

Expenses for Supplies.

Domestic science	$215.90
Domestic art	69.36
Mechanical drawing	94.01
Free hand drawing and applied art	179.36
Wood shops	717.96
Forge shops	94.02
Machine shop	41.99
Foundry	69.35
	$1,481.95
Value of special buildings and equipment	186,000.00

NEGAUNEE.

Paper folding, grades 1-4; cardboard construction, grades 1-7; sewing, grades 5-7; clay modeling, grades 1-4; free hand drawing, grades 2-9; stenography and typewriting, grades 9-11.

NORWAY.

Paper folding, grade 1; drawing, grades 1-7; commercial branches, grades 8-11; stenography and typewriting, grade 11.

ONAWAY.

Paper folding and cardboard construction, grades 1-3; drawing, grades 9-12; commercial branches, grades 10-12.

PETOSKEY.

Commercial branches, grades 9-12; stenography and typewriting, grades 10-12.

PORT HURON.

Paper folding and cardboard construction, grades 1-3; drawing, grades 1-8; commercial branches, grades 9-11; stenography and typewriting, grades 11 and 12.

SAGINAW, E. S.

Paper folding, grades 1-4; whittling and sewing, grades 5 and 6; wood working, grades 7 and 8; cooking, grades 7 and 8; commercial branches, grades 10 and 11; stenography and typewriting, grades 11 and 12; four manual training teachers, salaries $2,925; expenses for manual training other than salaries, $275; expenses for domestic science, $300.

SAGINAW, W. S.

Paper folding, grades 1 and 2; cardboard construction, grades 2-5; whittling and sewing, grades 4-6; clay modeling, grades 1-4; drawing, grades 1-10; wood working, grades 7 and 8; bent iron working, grades 5-7; cooking, grades 7 and 8; commercial branches, grades 9-11; stenography and typewriting, grades 10 and 11; one manual training teacher, salary $1,150; one domestic science teacher, salary $550; other expenses for manual training, $876.42; expenses for domestic science, $292.67; value of special equipment, $1,300.

SAULT STE. MARIE.

Whittling and sewing, grades 4-7; wood working, grades 7-12; cooking, grades 8-12; commercial branches, grades 9-12; stenography and typewriting, grades 10-11; one manual training teacher, salary $950; one domestic science teacher, salary $600; total expenses for manual training, $1,052.64; total expenses for domestic science, $721.33; value of equipment, $2,000.

ST. JOHNS.

Paper folding, grades 1-4; cardboard construction, grades 1 and 2; sewing and clay modeling, grades 1-3; drawing, grades 1-9; weaving and reed work, grades 1-3; commercial branches, grades 10-12; stenography and typewriting, grades 10-12; one special teacher for drawing and manual training; total expenses, including salary, $300.

ST. JOSEPH.

Drawing, grades 1-12; commercial branches, grades 9 and 10; stenography and typewriting, grade 12.

THREE RIVERS.

Paper folding, grades 1-3; clay modeling, grades 1 and 2; drawing, grades 1-10; commercial branches, stenography and typewriting, grades 11 and 12.

TRAVERSE CITY.

Paper folding, grades 1-4; cardboard construction, grades 4 and 5; whittling, grades 6-8; clay modeling, grades 1 and 2; drawing, grades 7-10; bent iron working, grades 7 and 8; commercial branches, grades 9 and 10; stenography and typewriting, grades 11 and 12; one special teacher in manual training and drawing, salary $600; other expenses for material, $250.

WEST BRANCH.

Paper folding, grades 1-3; clay modeling, grades 1-3; sewing and weaving, grades 1-3; expenses for supplies, $15.

YPSILANTI.

Paper folding and cutting, grades 1 and 2; cardboard construction, grade 4; weaving and raffia, grade 3; whittling, grade 5; bent iron working, grade 6; sewing, grades 4-6; clay modeling, grade 1; drawing, grades 1-9; wood working, grades 7-9; cooking, grades 7 and 8; one manual training teacher, half time, salary $300; one domestic science teacher, half time, salary $300; other expenses for manual training and domestic science, $250; value of special equipment, $500.

EDUCATION OF THE DEAF.

There seem to be conflicting statements as to the time when schools for the deaf were first organized in this country. The first one, so far as we have been able to ascertain, was the American Institute for the Deaf at Hartford, Connecticut, founded in 1817, but the real impulse to this work seems to have been given nearly half a century later when the first *day school for the deaf* was established by Harriet B. Rogers, in 1867, at Chelmsford, Massachusetts. Since that time the growth of this work has been rapid. In 1899 there were 112 schools in the United States for teaching the deaf, enrolling over 10,000 pupils of whom 6,236 were taught speech. **First school for the deaf.**

The sympathy for this unfortunate class is manifested in the generous appropriations annually made by legislatures, the contributions by societies and individuals, and the sacrifice and labor of individuals, among teachers and others, who strive to aid them to become better fitted to live and to enjoy.

The two principal methods of instructing the deaf are the French "conventional sign" or "manual" method, and the German, or oral method, which discards the signs and teaches children not only to "read the lips" of a person speaking, but also to converse by articulate sounds, as do hearing people. The advantages of the German method to such as master it are evident both from a social point of view, and as a factor in intellectual development. **Manual and oral methods**

However, a large percentage of children born deaf cannot learn speech because of some mental peculiarity, and many others, although a smaller number, because of defective eyesight or sluggish minds, cannot learn to read the lips. With such the attempt to teach the oral method is not only of little use but if long continued an injury to the child. This is the point of departure between the teachers of the oral method and the teachers of the sign language, the former claiming that nearly all deaf children can learn speech if efforts are continued long enough, the latter that a child who shows little progress in speech after a year or two of training can never speak with sufficient clearness to be understood by anyone except his own immediate associates who have become accustomed to his peculiarities of speech, and that to such sign language only should be taught. So fierce has the discussion been at times that it would seem that the child's interests were forgotten or ignored in the effort to demonstrate the correctness of the position of the disputants, and the nobility of the work for the deaf has sometimes thus been marred.

Out of this discussion however, there seems to have come on both sides a spirit of tolerance and compromise. The teachers of the sign language have been making more serious efforts to teach speech, as is shown by the fact that in 1899 forty-three per cent of the pupils of the United States in deaf schools were taught exclusively by the oral method, and, on the other hand, the oralists admit that children who after a reasonable time and a certain **Union of methods.**

amount of effort do not make satisfactory progress in speech should be taught the sign language. So high an authority even as Edward Walther, director of the Imperial Institute at Berlin, considered to be the highest authority among the German oralists, says: "We must openly and candidly confess that what we can do is imperfect work. What Nature has lavishly bestowed upon a hearing person we cannot give to the deaf mute. We cannot bestow upon him a power which in clearness, euphony, and extent approaches that of a hearing person. We cannot give him the means of understanding speech of others which is anything more than a meager substitute for hearing." E. M. Gallaudet, president of Gallaudet College in Washington, D. C., a man who has given his life to the study of this subject, says: "It is possible to teach a child born deaf to speak well but the conclusion that all deaf children may do likewise is not sustained by experience."

It is therefore my opinion that while an earnest, even an heroic effort should be made to teach every deaf mute speech, it should not be continued beyond two or three years, except with very young children, unless very satisfactory results are obtained, and no teacher in the day schools for the deaf should from any personal motives or a desire to keep up a certain number of pupils, forget for one moment the real interests of the deaf child and delude herself into believing that although the child shows unsatisfactory response to her efforts yet he will in time learn to speak fairly well, and that a small amount of speech, even though understood by very few people, is better than the sign language which he might in the same time learn, although such sign language would cover a much wider field in the realm of conversation.

EDUCATION OF THE DEAF IN MICHIGAN.

MICHIGAN SCHOOL FOR THE DEAF.

Act 187 of the laws of 1848 provided for the education and care of the deaf in the "Michigan Asylum for Educating the Deaf and Dumb and the Blind and Michigan Asylum for the Insane." Act 91 of the laws of 1867 changed the name of the institution to "The Michigan Institution for Educating the Deaf and Dumb and the Blind." Act 250 of the laws of 1879 separated the blind and the Michigan School for the Deaf at Flint became the institution for educating the deaf and dumb only.

Early State institutions.

This institution completed its half century of existence in June, 1904. During that time 1,716 deaf pupils had been received into the institution, of which number 1,419 had been sent out into the world. Only a small proportion of these, however, had finished the present full course of the school, the majority of them leaving when they could find employment at fairly good wages. I am informed that through the efforts made by Superintendent Francis D. Clarke and others connected with the institution the majority of these students have been kept in sight, and so far as known, they have made a record of which any class of persons might well be proud. Not one of these has ever been convicted of a crime and but three or four

Graduates and enrollment.

have failed to support themselves, and this failure could readily be traced to other causes than deafness. What school of normal children in this State shows another such record?

The present enrollment in this school is 361. Average daily attendance for the entire year 1904-05 was 345.9. The total expenditure for clothing, care, teachers, food, and other expenses growing out of the necessities of the school was:

Expense of maintenance

Teachers' wages or $56.52 per capita	$19,550 00
For food for pupils and employes	16,240 90
For manual training	9,854 86
For clothing	72 67
Total	$45,718 43
Per capital for the items named	$132 17

In addition to the above expenses are those of buildings, repairs, heating, lighting, salaries of those employed aside from teachers, making the total expense not far from $90,000 per year, the appropriation for the fiscal years 1904 and 1905 being $174,350, an average of $87,175 per year, or $252.02 per pupil.

One of the strong factors in the development of the pupils of this school is the advantages derived from the very complete manual training equipment.

No stronger argument for manual training in all schools can be found than the experience (which has for many years been repeated) of the effects upon these deaf children when they enter this grade and take up the manual training work. The uniform testimony is that they become at once more intelligent, more obedient, more manly and womanly, and that children, especially those who have given more or less trouble because of lack of self control, seem to have developed suddenly this faculty and to have acquired a new interest in life.

Importance of manual training.

ENROLLMENT.

Since 1864, the enrollment for each year has been as follows:

		Pupils.			Pupils.
1865	the term closed with	94	1884-5	pupils in attendance	266
1866	the term closed with	109	1885-6	pupils in attendance	304
1867	the term closed with	116	1886-7	pupils in attendance	303
1868	the term closed with	119	1887-8	pupils in attendance	301
1869	the term closed with	135	1888-9	pupils in attendance	309
1870	the term closed with	133	1889-90	pupils in attendance	299
1871	the term closed with	148	1890-1	pupils in attendance	302
1872	the term closed with	159	1891-2	pupils in attendance	295
1873	the term closed with	153	1892-3	pupils in attendance	294
1874	the term closed with	183	1893-4	pupils in attendance	325
1875	the term closed with	193	1894-5	pupils in attendance	374
1876	the term closed with	212	1895-6	pupils in attendance	382
1877-8	pupils in attendance	257	1896-7	pupils in attendance	417
1878-9	pupils in attendance	259	1897-8	pupils in attendance	412
1879-80	pupils in attendance	257	1898-9	pupils in attendance	423
1880-1	pupils in attendance	242	1899-00	pupils in attendance	431
1881-2	pupils in attendance	249	1900-1	pupils in attendance	430
1882-3	pupils in attendance	262	1901-2	pupils in attendance	421
1883-4	pupils in attendance	271	1902-3	pupils in attendance	410
			1903-4	pupils in attendance	387

The number of new pupils admitted each year has been:

Years.	Blind.	Deaf.	Total.	Years.	Blind	Deaf.	Total.
1854-5	1	11	12	1878-9	8	29	37
1855-6	9	30	39	1879-80	2	35	37
1856-7	19	18	37	1880-1	.....	55	55
1857-8	11	15	26	1881-2	.....	51	51
1858-9	3	16	19	1882-3	.....	42	42
1859-60	5	13	18	1883-4	.....	36	36
1860-1	2	10	12	1884-5	.....	40	40
1861-2	5	15	20	1885-6	.....	58	58
1862-3	6	17	23	1886-7	.....	35	35
1863-4	.....	25	25	1887-8	.....	30	30
1864-5	11	22	33	1888-9	.....	40	40
1865-6	5	14	19	1889-90	.....	46	46
1866-7	6	17	23	1890-1	.....	41	41
1867-8	3	19	22	1891-2	.....	41	41
1868-9	6	21	27	1892-3	.....	45	45
1869-70	6	21	27	1893-4	.....	70	70
1870-1	8	25	33	1894-5	.....	61	61
1871-2	6	26	32	1895-6	.....	40	40
1872-3	10	27	37	1896-7	.....	73	73
1873-4	13	41	54	1897-8	.....	38	38
1874-5	7	34	41	1898-9	.....	36	36
1875-6	8	39	47	1899-00	.....	43	43
1876-7	6	28	34	1900-1	.....	51	51
1877-8	7	38	55	1901-2	.....	42	42
				1902-3	.....	41	41
				1903-4	.....	43	43

Blind admitted	172
Deaf admitted	1,716

Attendance by counties for the year ending June, 1905:

Allegan, 9; Alpena, 7; Arenac, 3; Baraga, 3; Bay, 10; Berrien, 9; Branch, 2; Calhoun, 5; Cass, 3; Charlevoix, 3; Cheboygan, 5; Chippewa, 2; Clare, 4; Clinton, 4; Delta, 3; Dickinson, 3; Eaton, 6; Emmet, 1; Genesee, 24; Gladwin, 1; Gogebic, 3; Grand Traverse, 4; Gratiot, 9; Hillsdale, 5; Houghton, 8; Huron, 6; Ingham, 5; Ionia, 5; Iosco, 6; Iron, 2; Isabella, 8; Jackson, 2; Kalamazoo, 7; Kent, 12; Lapeer, 6; Leelanau, 3; Lenawee, 4; Mackinac, 11; Macomb, 2; Manistee, 2; Marquette, 3; Mason, 4; Mecosta, 1; Menominee, 4; Midland, 2; Missaukee, 4; Monroe, 3; Montcalm, 7; Montmorency, 3; Muskegon, 4; Newaygo, 1; Oakland, 4; Oceana, 4; Ogemaw, 2; Osceola, 2; Otsego, 2; Ottawa, 2; Presque Isle, 1; Saginaw, 10; St. Clair, 8; St. Joseph, 2; Sanilac, 7; Schoolcraft, 4; Shiawassee, 7; Tuscola, 3; Van Buren, 2; Washtenaw, 5; Wayne, 40; Wexford, 3. Total, 361.

TERMS OF ADMISSION.

The Michigan School for the Deaf is intended to supplement the public schools. All children residing in this State, between seven and twenty-one years of age (and such others as the board of trustees may deem it wise to admit) capable of attending school and profiting by instruction, who from defective hearing cannot be taught in the public schools, are admitted. There is no charge for anything but clothing and trave expenses. In cases where parents cannot furnish these the law pro that on certificate of p lcers they shall be paid for by the s

A due regard for the welfare of others makes it necessary to refuse to receive any children suffering from communicable diseases or to retain those who develop them. The State Board of Health includes tuberculosis among such diseases. Any person having a child who from defective hearing cannot be taught in a public school, and desiring to have such child enter this institution should write to the superintendent of the School for the Deaf at Flint for the blanks necessary to enter a child there.

In case parents decide to send a child they should state whether or not they intend to clothe the child and pay other expenses. In cases where the parents are unable to do this the matter should be referred to the superintendent of the poor, or the supervisor of the township where the parent resides, who will pay the expenses of bringing the child to school the first time and send proper certificate to the superintendent. After the child has been accepted as a pupil this certificate empowers the school to provide clothing, etc., as needed.

COURSE OF STUDY.

There is a regular course of study which every pupil must take. This course is elementary in character. For the first five years it includes language (reading, spelling, sentence work, and stories), numbers, geography, and penmanship. The work in language is the most intensive and receives a large share of attention.

Contrary to the belief of many, speech and lip-reading are taught. Every child who enters the school has regular instruction in these for at least one year. If at the end of this period the child shows no aptitude for speech, no more effort is made to teach it to him. He is then taught the sign language.

TRADES.

Every pupil who enters the sixth grade is required to spend from fifteen to twenty-four hours each week in learning a trade. The constant application of this rule of working several hours continually develops in the boy or girl habits of energy and thrift and in a way has much to do with success after leaving the school. One of the graduates of the cabinet shop in this school was a year ago appointed foreman of the cabinet shop in the Oregon school.

BUILDINGS AND GROUNDS.

In connection with the school at Flint there are 268 acres of land. Of this, thirty acres are devoted to the buildings, lawns, play grounds, etc. The remainder is devoted to raising supplies for the school.

The front building, having the State coat of arms high in the air and a great carved wooden eagle over all, represents the architecture of fifty years ago. It has three wings running back from it connected at the rear and joined to the "old" school building, the oldest on the grounds.

As one approaches the front building, that part upon the right is devoted to the boys and the opposite side to the girls. The offices of the superintendent, steward, and the supervisors, together with the reception room and the parlors occupy the first floor. Upon the third floor is the hospital. What is known as the "new" building is connected by

a two-story, covered corridor with the east wing. The basement is devoted to the pupils' dining room, kitchen, store rooms, etc. Five hundred fifty pupils can be seated in the dining room.

East of the superintendent's cottage, connected with all the other buildings by cement walks, is the school building known as "Brown Hall," containing forty-three schoolrooms, an assembly room, gymnasium, reception room, and office. In the west wing of the basement is a large swimming pool for boys and their lavatory, while in the east wing are the same conveniences for girls.

Connected with this institution are the various trades departments. The cabinet shop occupies the entire ground floor and a part of the second floor of the old shop building. The remainder of this building is devoted to the shoe shop, and one of the innovations of recent years is the introduction of modern machinery used in the making of shoes. A new department was added here three years ago a room being fitted up where boys from the country and smaller towns are taught harness making.

One of the most interesting departments connected with this institution is the printing department. This is in what is known as "Turner Industrial Hall" built with an appropriation made by the legislature in 1897, costing $5,000. From this printing department are sent out all the publications regarding the school. The typesetting and work is not modern, and there is some question as to whether new typesetting machinery should not be introduced. However, there will always be a demand for printers who know all branches of the business, as certain parts of the printer's profession cannot be managed by machinery.

In this same hall is found the shop where the boys are taught tailoring. This is one of the most successful trades taught in the school. However, one of the objections to it is, that when the boys have learned to do ordinary work, that is, when they become expert "pant" hands or "coat" hands, they are in good demand at good salaries, so that few stay to finish learning the trade. The few however, who do learn the cutting and fitting receive most excellent salaries.

In the same building, above the tailor shop, is the art department where students are taught drawing, designing, wood carving, plate engraving, embroidery, pyrography, and etching.

Across the hall from the art department is the sewing department. This is by far the most important of the industrial departments for girls. Beginning with plain sewing a girl may proceed until she becomes a competent dressmaker. Girls may also learn the milliner's trade.

In addition to the above buildings there are such other buildings as are necessary to the farming part of the institution.

DISCIPLINE.

There is no more serious question in the handling of the deaf than the question of discipline. The sympathy for such children in the homes is so great that many parents become abnormally sympathetic and really do such children an injury in their mistaken kindness. The deaf child is not taught to obey but is allowed, through this mistaken idea of tenderness, to have much his own way. When such children enter any

place where restrictions are placed upon them, they have, for a time, a hard lesson to learn. However, in this school punishment of any kind is very rare. That most often employed is to compel a child to sit in a chair and do absolutely nothing. Another punishment is to deprive a child of play or other privileges or to compel him to work on Saturdays when others play. No one except the superintendent ever inflicts corporal punishment. It is remarkable however, how soon children, after entering this school and observing the conduct of other children, forget their personal likes and dislikes and "fall into line." When the new comer sees no other children crying or disobeying and sees that they are all apparently happy in what they do he forgets his self-consciousness and self-importance and drifts into the family atmosphere. We are told that few children are serious problems in the question of discipline after a few days of mingling with children of their own ages.

Punishments.

Amusements here are similar to those of other children. It is a mistaken idea that the deaf do not enjoy sport as well as hearing children. The necessity of making the eyes do much that the ordinary child's ears do produces a certain keenness and quickness of vision that makes the deaf very expert in certain kinds of sport. The boys are excellent players in the games of foot ball, base ball, and tennis, the girls in basket ball and tennis.

Amusements.

OFFICERS, TEACHERS, AND EMPLOYEES.

In connection with this school there is the superintendent, the steward, matron, and assistant matron, nurse, male and female physicians, the bookkeeper, stenographer, visitors' attendant, three women having charge of the sewing and mending departments, three women having charge of the art department, nine foremen having charge of the trades departments, three engineers, three firemen, one farmer, one stock man, four laborers, two teamsters, two drivers, one chore man, two watchmen, about forty teachers, five supervisors, three cottage managers, one baker, two cooks, two janitors, and two laundry men.

The work of this school has for many years been under the control and superintendency of Francis D. Clarke, and his experience and ability as an organizer, his sympathy with both his assistants and with the deaf children, his knowledge of the methods of teaching the deaf, have together brought this institution of the State to a degree of perfection that is really surprising to the ordinary visitor. No citizen of Michigan interested in education should visit the city of Flint without spending some time in this school studying its methods, observing its plans, and witnessing the wonderful results which are accomplished for this unfortunate class.

DAY SCHOOLS FOR THE DEAF.

Probably to the Detroit school board belongs the honor of establishing the first school in this State for teaching the deaf by the oral method exclusively. This work was begun in 1893, a small class being organized under one teacher. The interest in the work grew rapidly and facilities were soon found to be inadequate to meet the demand of the large number who wished to enter the school. The city superintendent of schools

in his report for 1898 suggested that legislation be secured by which the city should receive a certain amount per annum from the State to assist in maintaining this school and to enable the city to increase its capacity. In 1899 a law was enacted whereby such schools might be established under certain conditions in any part of the State and receive financial aid from the State. The legislature of 1905 however, enacted another law which superseded the act of 1899, under which all the schools are at present working. The present law is as follows:

DAY SCHOOLS FOR THE DEAF.

An Act authorizing school district boards, boards of trustees of graded schools and boards of education in cities to establish and maintain day schools for the deaf, and authorizing payment therefor from the general fund, and repealing act number one hundred seventy-six of the public acts of eighteen hundred ninety-nine and all other acts or parts of acts conflicting with the provisions of this act.

[Act 224, 1905.]

The People of the State of Michigan enact:

SECTION 1. That upon application by a school district board, board of trustees of a graded school, or board of education of any city of this State to the Superintendent of Public Instruction, he shall grant permission to such board to establish and maintain, and such board shall thereupon be empowered to maintain within the limits of its jurisdiction one or more day schools having an average attendance of not less than three pupils, for the instruction of deaf persons over the age of three years, whose parents or guardians in the case of orphans are residents of the State of Michigan.

SEC. 2. Any board which shall maintain one or more day schools for the instruction of the deaf shall report to the Superintendent of Public Instruction annually, and at such other times as he may direct, such facts concerning the school or schools as he may require.

SEC. 3. The board of education of the city or district where a day school for the deaf is established shall include in its annual budget a sufficient sum to maintain said school and out of said sum shall pay said teachers monthly. To reimburse said city or district for such expenditure the State treasurer is hereby authorized to pay to the treasurer of the proper school district, out of the general fund, on or before July twenty in each year, upon the warrant of the Auditor General, the actual expense incurred for teachers' salaries and purchase of necessary school appliances by any school district in support of a day school for the deaf, which shall have been conducted in accordance with this act during nine months of the school year, as shown by vouchers filed with the Auditor General and certified to be correct by the Superintendent of Public Instruction: Provided, That the total amount paid on account of any one school district or city shall not exceed one hundred fifty dollars for each deaf pupil instructed in any such school during the school year, and a part of such sum proportionate to the time of instruction of any such pupil so instructed less than nine months during each year: And be it further provided, That the title for all school appliances purchased shall vest in the State and inventory thereof filed with the Superintendent of Public Instruction July first of each year.

SEC. 4. The district board or board of education shall cause to be executed monthly, vouchers in triplicate upon forms prepared and furnished by the Auditor General so as to show the rate of salary paid to instructors of the deaf and the time covered by such payment, also vouchers in triplicate upon forms prepared and furnished by the Auditor General, showing the school appliances purchased and price for each article or series of articles. The treasurer of said school district is required to forward two copies of these receipted vouchers to the Superintendent of Public Instruction within the first five days of the month succeeding the month covered by the payment. On or before the fifteenth of each month the Superintendent of Public Instruction shall present one set

thereof to the Auditor General authorizing him to pay to the treasurer of the proper school district the amount covered by the certified vouchers presented

SEC. 5. All teachers in such schools shall be appointed and employed as other public school teachers are appointed and employed. All persons appointed to teach in any such school shall have had special training for teaching, and shall be graduates of a training school for teachers of the deaf by the "oral" method, and shall also have had special training in the teaching of the deaf, including at least one year's experience as a teacher in a school for the deaf. The so-called "oral" system shall be taught by such teachers, and if after a fair trial of nine months, any of such children shall for any reason be unable to learn such oral method, then no further expense shall be incurred in the effort to teach such child, so unable to learn such oral method, in such primary schools.

SEC. 6. For the purpose of this act, any person of sound mind who, by reason of defective hearing, cannot profitably be educated in the public schools as other children are, shall be considered deaf.

Sec. 7. Repeals Act 176, 1899.

Under the provisions of Act 76 of the laws of 1899 the following cities established schools: In 1900, Bay City, Calumet, Detroit, Grand Rapids, Menominee, Muskegon, and Saginaw; in 1903, Ironwood and Jackson; in 1904, Kalamazoo; in 1905, Ishpeming, Manistee, and Traverse City.

Under the provisions of the law the following rules and regulations for the establishment and conduct of such schools were made by the Superintendent of Public Instruction:

DAY SCHOOLS FOR THE DEAF.

Rules and Regulations.

As the authority to establish day schools for the deaf was given to the Superintendent of Public Instruction by Act No. 224 of the Public Acts of 1905, I submit the following rules and regulations for their general conduct, which are to be accepted by boards of education before permission is granted for the establishment of a school under the provisions of the law, and for their control after establishment.

I. *Support of School.*

Section three of said act provides that the board of education shall include in its annual budget a sufficient sum to maintain the school and pay the teachers monthly. Sections three and four provide also for reimbursement of the district by the State, upon presentation of proper vouchers certified to be correct and proper by the Superintendent of Public Instruction.

II. *Reports to the Department.*

Immediately after the close of the school year, and previous to June 30, a complete report on blanks furnished by this office must be made by the board of education showing:

(a) Name, experience, and special qualifications of each teacher employed, with salary paid.

(b) Name, age, sex, parent or guardian's name, place of residence—street and number—of each pupil in attendance, together with a complete record of attendance at school, days present, and days absent. (Legal holidays should be counted as days taught.)

(c) The aggregate attendance of all pupils enrolled.

(d) Number dropped for inability to do the work.

(e) Length of time pupils are expected to remain in this school.

(f) The course of study in detail, as pursued during the past year, or as proposed for the ensuing year, should be attached to said annual report.

III. Number of Pupils Necessary to the Establishment of a School.

The law provides that there shall be an average attendance of at least three pupils. It is my opinion that a school with three pupils only would not be entirely successful, and I therefore recommend that boards of education do not ask for the establishment of a school unless there are five or more pupils in the school district eligible to attend, and whose parents or guardians agree to send such children to the school.

IV. Non-resident Pupils.

Although the law states that the parents, or guardians in the case of orphans, must be residents of the State of Michigan, which would seem to indicate that non-resident pupils might be admitted under the general law governing non-resident pupils, it should be remembered that the State has an institution for the deaf, and it is not anticipated that day schools for the deaf shall compete to the extent of receiving pupils who are not residents of the school district. *Adults should not be enrolled or instructed in these schools.*

V. Length of School Year.

This is fixed by law at nine months. Therefore one hundred eighty days of attendance (legal holidays included) is the basis on which the vouchers for the maximum of $150 per pupil will be allowed.

VI. Qualifications of Teachers.

Section 5. "All teachers in such schools shall be appointed and employed as other public school teachers are appointed and employed. All persons appointed to teach in any such school shall have had *special training for teaching, and shall be graduates of a training school for teachers of the deaf by the 'oral' method, and shall also have had special training in the teaching of the deaf, including at least one year's experience as a teacher in a school for the deaf.* The so-called 'oral' system shall be taught by such teachers, and if after a fair trial of nine months, any of such children shall for any reason be unable to learn such oral method, then no further expense shall be incurred in the effort to teach such child, so unable to learn such oral method, in such primary schools."

Four conditions of qualification are fixed by the foregoing law:

(a) Special training for teaching.
(b) Shall be graduates of a training school for teachers of the deaf.
(c) Special training in the teaching of the deaf.
(d) One year's experience as a teacher in a school for the deaf.

Interpretation of the Law by the State Superintendent.

(a) By "special training for teaching" is meant normal school training or its equivalent in actual experience in the schoolroom.

(b) "Graduates of a training school for teachers of the deaf by the oral method." We understand by this that every teacher hereafter employed in day schools for the deaf must have graduated from a school giving a special course of instruction in the teaching of the deaf by the aforesaid method. The length of the course is not stipulated but it would be reasonable to suppose that such a course would cover at least two years of such special instruction. Said graduate should hold a diploma or other evidence of completing a proper course.

(c) "Special training in the teaching of the deaf." This is interpreted to mean special instruction during the course mentioned in (b).

(d) "Including at least one year's experience as a teacher in a school for the deaf." This may be interpreted to mean a part of (c), that is, "*student practice teaching*" for one year, or actual teaching of the deaf under contract with a board of education for that period.

Note.—It is the clear intent of the Legislature that those who desire to teach unfortunates of the kind mentioned in section 6 of the law shall have had proper preparation. Our normal schools require a course of at least two years to prepare teachers for "hearing" children; and as it is much more difficult to teach the deaf, a special course of not less than two years is necessary, one of which shall be given to practice teaching.

According to these provisions, and those requiring the certificate of the State Superintendent to vouchers, it will be necessary for each board of education to file with said Superintendent, prior to making any contract, evidence that the persons to be employed by them to teach in day schools for the deaf are legally qualified and entitled to compensation.

VII. *Salaries Paid to Teachers.*

Boards of education should be as careful in the expenditure of State funds as they are with the funds of their school district, and it is suggested that all teachers in schools for the deaf be employed at a definite salary and that such salaries be not greater than twenty-five per cent more than the average salary paid to the other teachers of their schools. Salaries ranging from six hundred dollars to nine hundred dollars should be considered liberal. One hundred dollars per month should be the limit under present conditions. *Teachers employed in day schools for the deaf must not teach in any of the regular lines of school work, nor can they be engaged in teaching any persons who are not "deaf persons" as described in this act.*

VIII. *School Appliances.*

Section three of the law, in regard to appliances, is as follows: "The actual expense incurred for teachers' salaries and purchase of necessary school appliances by any school district in support of a day school for the deaf."

The only reasonable interpretation to place upon this law is that the State will reimburse the district for such apparatus as is necessary in schools for the deaf and not in the regular grades of public schools. The children belong in the district and it is the duty of the district and not of the State to furnish ordinary school supplies.

The district, therefore, should furnish rooms, heating, desks, tables, chairs, library books, magazines, kindergarten material, cardboard, supplementary readers, musical instruments, pencils, ink, toys, etc.

The State will pay for manual training supplies, Binner charts, speech charts, conversation tubes, ear trumpets, mirrors, stethoscope and such other apparatus as is necessary to teach the deaf. Vouchers for any other material will be rejected.

Section three also provides, "that the title to all apparatus purchased by the State shall vest in the State and an inventory thereof be filed with the Superintendent of Public Instruction on July 1st of each year."

IX. *Progress of Pupils.*

Especial attention is called to the last sentence of section five of the law which requires that there shall be an accurate note taken of the progress which each pupil has made and "if after a fair trial of nine months any of such children shall for any reason be unable to learn such oral method, *then no further expense shall be incurred* in the effort to teach such child so unable to learn such oral method in such primary schools." All such children, and those who by their age should be learning a trade, ought to be sent to the school at Flint. The number thus dropped from the school should be given in the report.

X. *Vouchers.*

The vouchers for use in the disbursement of funds from the State are prepared by the Auditor General and will be furnished to the secretary of the school board. These vouchers should be made up in triplicate each month for the salaries of the month and for any appliances purchased during the month. All vouchers for salaries should state the time covered by the payment and the rate of salary per school year. Those paying for appliances should state the article, price per unit, number of units, and total for each purchase. These vouchers should be receipted as provided and the date of payment by the treasurer of the school board should be inserted in the receipt. The board of education will preserve one voucher and forward the other two within the first five days of the succeeding month to this office. One will be preserved by the Department and the other filed in the office of the Auditor General.

amount of effort do not make satisfactory progress in speech should be taught the sign language. So high an authority even as Edward Walther, director of the Imperial Institute at Berlin, considered to be the highest authority among the German oralists, says: "We must openly and candidly confess that what we can do is imperfect work. What Nature has lavishly bestowed upon a hearing person we cannot give to the deaf mute. We cannot bestow upon him a power which in clearness, euphony, and extent approaches that of a hearing person. We cannot give him the means of understanding speech of others which is anything more than a meager substitute for hearing." E. M. Gallaudet, president of Gallaudet College in Washington, D. C., a man who has given his life to the study of this subject, says: "It is possible to teach a child born deaf to speak well but the conclusion that all deaf children may do likewise is not sustained by experience."

It is therefore my opinion that while an earnest, even an heroic effort should be made to teach every deaf mute speech, it should not be continued beyond two or three years, except with very young children, unless very satisfactory results are obtained, and no teacher in the day schools for the deaf should from any personal motives or a desire to keep up a certain number of pupils, forget for one moment the real interests of the deaf child and delude herself into believing that although the child shows unsatisfactory response to her efforts yet he will in time learn to speak fairly well, and that a small amount of speech, even though understood by very few people, is better than the sign language which he might in the same time learn, although such sign lauguage would cover a much wider field in the realm of conversation.

EDUCATION OF THE DEAF IN MICHIGAN.

MICHIGAN SCHOOL FOR THE DEAF.

Act 187 of the laws of 1848 provided for the education and care of the deaf in the "Michigan Asylum for Educating the Deaf and Dumb and the Blind and Michigan Asylum for the Insane." Act 91 of the laws of 1867 changed the name of the institution to "The Michigan Institution for Educating the Deaf and Dumb and the Blind." Act 250 of the laws of 1879 separated the blind and the Michigan School for the Deaf at Flint became the institution for educating the deaf and dumb only.

Early State institutions.

This institution completed its half century of existence in June, 1904. During that time 1,716 deaf pupils had been received into the institution, of which number 1,419 had been sent out into the world. Only a small proportion of these, however, had finished the present full course of the school, the majority of them leaving when they could find employment at fairly good wages. I am informed that through the efforts made by Superintendent Francis D. Clarke and others connected with the institution the majority of these students have been kept in sight, and so far as known, they have made a record of which any class of persons might well be proud. Not one of these has ever been convicted of a crime and but three or four

Graduates and enrollment.

have failed to support themselves, and this failure could readily be traced to other causes than deafness. What school of normal children in this State shows another such record?

The present enrollment in this school is 361. Average daily attendance for the entire year 1904-05 was 345.9. The total expenditure for clothing, care, teachers, food, and other expenses growing out of the necessities of the school was: **Expense of maintenance**

Teachers' wages or $56.52 per capita	$19,550 00
For food for pupils and employes	16,240 90
For manual training	9,854 86
For clothing	72 67
Total	$45,718 43
Per capital for the items named	$132 17

In addition to the above expenses are those of buildings, repairs, heating, lighting, salaries of those employed aside from teachers, making the total expense not far from $90,000 per year, the appropriation for the fiscal years 1904 and 1905 being $174,350, an average of $87,175 per year, or $252.02 per pupil.

One of the strong factors in the development of the pupils of this school is the advantages derived from the very complete manual training equipment.

No stronger argument for manual training in all schools can be found than the experience (which has for many years been repeated) of the effects upon these deaf children when they enter this grade and take up the manual training work. The uniform testimony is that they become at once more intelligent, more obedient, more manly and womanly, and that children, especially those who have given more or less trouble because of lack of self control, seem to have developed suddenly this faculty and to have acquired a new interest in life. **Importance of manual training.**

ENROLLMENT.

Since 1864, the enrollment for each year has been as follows:

		Pupils.			Pupils.
1865	the term closed with	94	1884-5	pupils in attendance	266
1866	the term closed with	109	1885-6	pupils in attendance	304
1867	the term closed with	116	1886-7	pupils in attendance	303
1868	the term closed with	119	1887-8	pupils in attendance	301
1869	the term closed with	135	1888-9	pupils in attendance	309
1870	the term closed with	133	1889-90	pupils in attendance	299
1871	the term closed with	148	1890-1	pupils in attendance	302
1872	the term closed with	159	1891-2	pupils in attendance	295
1873	the term closed with	153	1892-3	pupils in attendance	294
1874	the term closed with	183	1893-4	pupils in attendance	325
1875	the term closed with	193	1894-5	pupils in attendance	374
1876	the term closed with	212	1895-6	pupils in attendance	382
1877-8	pupils in attendance	257	1896-7	pupils in attendance	417
1878-9	pupils in attendance	259	1897-8	pupils in attendance	412
1879-80	pupils in attendance	257	1898-9	pupils in attendance	423
1880-1	pupils in attendance	242	1899-00	pupils in attendance	431
1881-2	pupils in attendance	249	1900-1	pupils in attendance	428
1882-3	pupils in attendance	262	1901-2	pupils in attendance	
1883-4	pupils in attendance	271	1902-3	pupils in attendance	
			1903-4	pupils in attendance	

The number of new pupils admitted each year has been:

Years.	Blind.	Deaf.	Total.	Years.	Blind	Deaf.	Total.
1854–5	1	11	12	1878–9	8	29	37
1855–6	9	30	39	1879–80	2	35	37
1856–7	19	18	37	1880–1	.....	55	55
1857–8	11	15	26	1881–2	.....	51	51
1858–9	3	16	19	1882–3	.....	42	42
1859–60	5	13	18	1883–4	.....	36	36
1860–1	2	10	12	1884–5	.....	40	40
1861–2	5	15	20	1885–6	.....	58	58
1862–3	6	17	23	1886–7	.....	35	35
1863–4	.....	25	25	1887–8	.....	30	30
1864–5	11	22	33	1888–9	.....	40	40
1865–6	5	14	19	1889–90	.....	46	46
1866–7	6	17	23	1890–1	.....	41	41
1867–8	3	19	22	1891–2	.....	41	41
1868–9	6	21	27	1892–3	.....	45	45
1869–70	6	21	27	1893–4	.....	70	70
1870–1	8	25	33	1894–5	.....	61	61
1871–2	6	26	32	1895–6	.....	40	40
1872–3	10	27	37	1896–7	.....	73	73
1873–4	13	41	54	1897–8	.....	38	38
1874–5	7	34	41	1898–9	.....	36	36
1875–6	8	39	47	1899–00	.....	43	43
1876–7	6	28	34	1900–1	.....	51	51
1877–8	7	38	55	1901–2	.....	42	42
				1902–3	.....	41	41
				1903–4	.....	43	43

Blind admitted	172
Deaf admitted	1,716

Attendance by counties for the year ending June, 1905:

Allegan, 9; Alpena, 7; Arenac, 3; Baraga, 3; Bay, 10; Berrien, 9; Branch, 2; Calhoun, 5; Cass, 3; Charlevoix, 3; Cheboygan, 5; Chippewa, 2; Clare, 4; Clinton, 4; Delta, 3; Dickinson, 3; Eaton, 6; Emmet, 1; Genesee, 24; Gladwin, 1; Gogebic, 3; Grand Traverse, 4; Gratiot, 9; Hillsdale, 5; Houghton, 8; Huron, 6; Ingham, 5; Ionia, 5; Iosco, 6; Iron, 2; Isabella, 8; Jackson, 2; Kalamazoo, 7; Kent, 12; Lapeer, 6; Leelanau, 3; Lenawee, 4; Mackinac, 11; Macomb, 2; Manistee, 2; Marquette, 3; Mason, 4; Mecosta, 1; Menominee, 4; Midland, 2; Missaukee, 4; Monroe, 3; Montcalm, 7; Montmorency, 3; Muskegon, 4; Newaygo, 1; Oakland, 4; Oceana, 4; Ogemaw, 2; Osceola, 2; Otsego, 2; Ottawa, 2; Presque Isle, 1; Saginaw, 10; St. Clair, 8; St. Joseph, 2; Sanilac, 7; Schoolcraft, 4; Shiawassee, 7; Tuscola, 3; Van Buren, 2; Washtenaw, 5; Wayne, 40; Wexford, 3. Total, 361.

TERMS OF ADMISSION.

The Michigan School for the Deaf is intended to supplement the public schools. All children residing in this State, between seven and twenty-one years of age (and such others as the board of trustees may deem it wise to admit) capable of attending school and profiting by instruction, who from defective hearing cannot be taught in the public schools, are admitted. There is no charge for anything but clothing and traveling expenses. In cases where parents cannot furnish these the law provides that on certificate of proper officers they shall be paid for by the school.

A due regard for the welfare of others makes it necessary to refuse to receive any children suffering from communicable diseases or to retain those who develop them. The State Board of Health includes tuberculosis among such diseases. Any person having a child who from defective hearing cannot be taught in a public school, and desiring to have such child enter this institution should write to the superintendent of the School for the Deaf at Flint for the blanks necessary to enter a child there.

In case parents decide to send a child they should state whether or not they intend to clothe the child and pay other expenses. In cases where the parents are unable to do this the matter should be referred to the superintendent of the poor, or the supervisor of the township where the parent resides, who will pay the expenses of bringing the child to school the first time and send proper certificate to the superintendent. After the child has been accepted as a pupil this certificate empowers the school to provide clothing, etc., as needed.

COURSE OF STUDY.

There is a regular course of study which every pupil must take. This course is elementary in character. For the first five years it includes language (reading, spelling, sentence work, and stories), numbers, geography, and penmanship. The work in language is the most intensive and receives a large share of attention.

Contrary to the belief of many, speech and lip-reading are taught. Every child who enters the school has regular instruction in these for at least one year. If at the end of this period the child shows no aptitude for speech, no more effort is made to teach it to him. He is then taught the sign language.

TRADES.

Every pupil who enters the sixth grade is required to spend from fifteen to twenty-four hours each week in learning a trade. The constant application of this rule of working several hours continually develops in the boy or girl habits of energy and thrift and in a way has much to do with success after leaving the school. One of the graduates of the cabinet shop in this school was a year ago appointed foreman of the cabinet shop in the Oregon school.

BUILDINGS AND GROUNDS.

In connection with the school at Flint there are 268 acres of land. Of this, thirty acres are devoted to the buildings, lawns, play grounds, etc. The remainder is devoted to raising supplies for the school.

The front building, having the State coat of arms high in the air and a great carved wooden eagle over all, represents the architecture of fifty years ago. It has three wings running back from it connected at the rear and joined to the "old" school building, the oldest on the grounds.

As one approaches the front building, that part upon the right is devoted to the boys and the opposite side to the girls. The offices of the superintendent, steward, and the supervisors, together with the reception room and the parlors occupy the first floor. Upon the third floor is the hospital. What is known as the "new" building is connected by

a two-story, covered corridor with the east wing. The basement is devoted to the pupils' dining room, kitchen, store rooms, etc. Five hundred fifty pupils can be seated in the dining room.

East of the superintendent's cottage, connected with all the other buildings by cement walks, is the school building known as "Brown Hall," containing forty-three schoolrooms, an assembly room, gymnasium, reception room, and office. In the west wing of the basement is a large swimming pool for boys and their lavatory, while in the east wing are the same conveniences for girls.

Connected with this institution are the various trades departments. The cabinet shop occupies the entire ground floor and a part of the second floor of the old shop building. The remainder of this building is devoted to the shoe shop, and one of the innovations of recent years is the introduction of modern machinery used in the making of shoes. A new department was added here three years ago a room being fitted up where boys from the country and smaller towns are taught harness making.

One of the most interesting departments connected with this institution is the printing department. This is in what is known as "Turner Industrial Hall" built with an appropriation made by the legislature in 1897, costing $5,000. From this printing department are sent out all the publications regarding the school. The typesetting and work is not modern, and there is some question as to whether new typesetting machinery should not be introduced. However, there will always be a demand for printers who know all branches of the business, as certain parts of the printer's profession cannot be managed by machinery.

In this same hall is found the shop where the boys are taught tailoring. This is one of the most successful trades taught in the school. However, one of the objections to it is, that when the boys have learned to do ordinary work, that is, when they become expert "pant" hands or "coat" hands, they are in good demand at good salaries, so that few stay to finish learning the trade. The few however, who do learn the cutting and fitting receive most excellent salaries.

In the same building, above the tailor shop, is the art department where students are taught drawing, designing, wood carving, plate engraving, embroidery, pyrography, and etching.

Across the hall from the art department is the sewing department. This is by far the most important of the industrial departments for girls. Beginning with plain sewing a girl may proceed until she becomes a competent dressmaker. Girls may also learn the milliner's trade.

In addition to the above buildings there are such other buildings as are necessary to the farming part of the institution.

DISCIPLINE.

There is no more serious question in the handling of the deaf than the question of discipline. The sympathy for such children in the homes is so great that many parents become abnormally sympathetic and really do such children an injury in their mistaken kindness. The deaf child is not taught to obey but is allowed, through this mistaken idea of tenderness, to have much his own way. When such children enter any

place where restrictions are placed upon them, they have, for a time, a hard lesson to learn. However, in this school punishment of any kind is very rare. That most often employed is to compel a child to sit in a chair and do absolutely nothing. Another punishment is to deprive a child of play or other privileges or to compel him to work on Saturdays when others play. No one except the superintendent ever inflicts corporal punishment. It is remarkable however, how soon children, after entering this school and observing the conduct of other children, forget their personal likes and dislikes and "fall into line." When the new comer sees no other children crying or disobeying and sees that they are all apparently happy in what they do he forgets his self-consciousness and self-importance and drifts into the family atmosphere. We are told that few children are serious problems in the question of discipline after a few days of mingling with children of their own ages.

Punishments.

Amusements here are similar to those of other children. It is a mistaken idea that the deaf do not enjoy sport as well as hearing children. The necessity of making the eyes do much that the ordinary child's ears do produces a certain keenness and quickness of vision that makes the deaf very expert in certain kinds of sport. The boys are excellent players in the games of foot ball, base ball, and tennis, the girls in basket ball and tennis.

Amusements.

OFFICERS, TEACHERS, AND EMPLOYEES.

In connection with this school there is the superintendent, the steward, matron, and assistant matron, nurse, male and female physicians, the bookkeeper, stenographer, visitors' attendant, three women having charge of the sewing and mending departments, three women having charge of the art department, nine foremen having charge of the trades departments, three engineers, three firemen, one farmer, one stock man, four laborers, two teamsters, two drivers, one chore man, two watchmen, about forty teachers, five supervisors, three cottage managers, one baker, two cooks, two janitors, and two laundry men.

The work of this school has for many years been under the control and superintendency of Francis D. Clarke, and his experience and ability as an organizer, his sympathy with both his assistants and with the deaf children, his knowledge of the methods of teaching the deaf, have together brought this institution of the State to a degree of perfection that is really surprising to the ordinary visitor. No citizen of Michigan interested in education should visit the city of Flint without spending some time in this school studying its methods, observing its plans, and witnessing the wonderful results which are accomplished for this unfortunate class.

DAY SCHOOLS FOR THE DEAF.

Probably to the Detroit school board belongs the honor of establishing the first school in this State for teaching the deaf by the oral method exclusively. This work was begun in 1893, a small class being organized under one teacher. The interest in the work grew rapidly and facilities were soon found to be inadequate to meet the demand of the large number who wished to enter the school. The city superintendent of schools

in his report for 1898 suggested that legislation be secured by which the city should receive a certain amount per annum from the State to assist in maintaining this school and to enable the city to increase its capacity. In 1899 a law was enacted whereby such schools might be established under certain conditions in any part of the State and receive financial aid from the State. The legislature of 1905 however, enacted another law which superseded the act of 1899, under which all the schools are at present working. The present law is as follows:

DAY SCHOOLS FOR THE DEAF.

An Act authorizing school district boards, boards of trustees of graded schools and boards of education in cities to establish and maintain day schools for the deaf, and authorizing payment therefor from the general fund, and repealing act number one hundred seventy-six of the public acts of eighteen hundred ninety-nine and all other acts or parts of acts conflicting with the provisions of this act.

[Act 224, 1905.]

The People of the State of Michigan enact:

SECTION 1. That upon application by a school district board, board of trustees of a graded school, or board of education of any city of this State to the Superintendent of Public Instruction, he shall grant permission to such board to establish and maintain, and such board shall thereupon be empowered to maintain within the limits of its jurisdiction one or more day schools having an average attendance of not less than three pupils, for the instruction of deaf persons over the age of three years, whose parents or guardians in the case of orphans are residents of the State of Michigan.

SEC. 2. Any board which shall maintain one or more day schools for the instruction of the deaf shall report to the Superintendent of Public Instruction annually, and at such other times as he may direct, such facts concerning the school or schools as he may require.

SEC. 3. The board of education of the city or district where a day school for the deaf is established shall include in its annual budget a sufficient sum to maintain said school and out of said sum shall pay said teachers monthly. To reimburse said city or district for such expenditure the State treasurer is hereby authorized to pay to the treasurer of the proper school district, out of the general fund, on or before July twenty in each year, upon the warrant of the Auditor General, the actual expense incurred for teachers' salaries and purchase of necessary school appliances by any school district in support of a day school for the deaf, which shall have been conducted in accordance with this act during nine months of the school year, as shown by vouchers filed with the Auditor General and certified to be correct by the Superintendent of Public Instruction: Provided, That the total amount paid on account of any one school district or city shall not exceed one hundred fifty dollars for each deaf pupil instructed in any such school during the school year, and a part of such sum proportionate to the time of instruction of any such pupil so instructed less than nine months during each year: And be it further provided, That the title for all school appliances purchased shall vest in the State and inventory thereof filed with the Superintendent of Public Instruction July first of each year.

SEC. 4. The district board or board of education shall cause to be executed monthly, vouchers in triplicate upon forms prepared and furnished by the Auditor General so as to show the rate of salary paid to instructors of the deaf and the time covered by such payment, also vouchers in triplicate upon forms prepared and furnished by the Auditor General, showing the school appliances purchased and price for each article or series of articles. The treasurer of said school district is required to forward two copies of these receipted vouchers to the Superintendent of Public Instruction within the first five days of the month succeeding the month covered by the payment. On or before the fifteenth of each month the Superintendent of Public Instruction shall present one set

thereof to the Auditor General authorizing him to pay to the treasurer of the proper school district the amount covered by the certified vouchers presented

SEC. 5. All teachers in such schools shall be appointed and employed as other public school teachers are appointed and employed. All persons appointed to teach in any such school shall have had special training for teaching, and shall be graduates of a training school for teachers of the deaf by the "oral" method, and shall also have had special training in the teaching of the deaf, including at least one year's experience as a teacher in a school for the deaf. The so-called "oral" system shall be taught by such teachers, and if after a fair trial of nine months, any of such children shall for any reason be unable to learn such oral method, then no further expense shall be incurred in the effort to teach such child, so unable to learn such oral method, in such primary schools.

SEC. 6. For the purpose of this act, any person of sound mind who, by reason of defective hearing, cannot profitably be educated in the public schools as other children are, shall be considered deaf.

Sec. 7. Repeals Act 176, 1899.

Under the provisions of Act 76 of the laws of 1899 the following cities established schools: In 1900, Bay City, Calumet, Detroit, Grand Rapids, Menominee, Muskegon, and Saginaw; in 1903, Ironwood and Jackson; in 1904, Kalamazoo; in 1905, Ishpeming, Manistee, and Traverse City.

Under the provisions of the law the following rules and regulations for the establishment and conduct of such schools were made by the Superintendent of Public Instruction:

DAY SCHOOLS FOR THE DEAF.

Rules and Regulations.

As the authority to establish day schools for the deaf was given to the Superintendent of Public Instruction by Act No. 224 of the Public Acts of 1905, I submit the following rules and regulations for their general conduct, which are to be accepted by boards of education before permission is granted for the establishment of a school under the provisions of the law, and for their control after establishment.

I. *Support of School.*

Section three of said act provides that the board of education shall include in its annual budget a sufficient sum to maintain the school and pay the teachers monthly. Sections three and four provide also for reimbursement of the district by the State, upon presentation of proper vouchers certified to be correct and proper by the Superintendent of Public Instruction.

II. *Reports to the Department.*

Immediately after the close of the school year, and previous to June 30, a complete report on blanks furnished by this office must be made by the board of education showing:

(a) Name, experience, and special qualifications of each teacher employed, with salary paid.

(b) Name, age, sex, parent or guardian's name, place of residence—street and number—of each pupil in attendance, together with a complete record of attendance at school, days present, and days absent. (Legal holidays should be counted as days taught.)

(c) The aggregate attendance of all pupils enrolled.

(d) Number dropped for inability to do the work.

(e) Length of time pupils are expected to remain in this school.

(f) The course of study in detail, as pursued during the past year, or as proposed for the ensuing year, should be attached to said annual report.

III. Number of Pupils Necessary to the Establishment of a School.

The law provides that there shall be an average attendance of at least three pupils. It is my opinion that a school with three pupils only would not be entirely successful, and I therefore recommend that boards of education do not ask for the establishment of a school unless there are five or more pupils in the school district eligible to attend, and whose parents or guardians agree to send such children to the school.

IV. Non-resident Pupils.

Although the law states that the parents, or guardians in the case of orphans, must be residents of the State of Michigan, which would seem to indicate that non-resident pupils might be admitted under the general law governing non-resident pupils, it should be remembered that the State has an institution for the deaf, and it is not anticipated that day schools for the deaf shall compete to the extent of receiving pupils who are not residents of the school district. *Adults should not be enrolled or instructed in these schools.*

V. Length of School Year.

This is fixed by law at nine months. Therefore one hundred eighty days of attendance (legal holidays included) is the basis on which the vouchers for the maximum of $150 per pupil will be allowed.

VI. Qualifications of Teachers.

Section 5. "All teachers in such schools shall be appointed and employed as other public school teachers are appointed and employed. All persons appointed to teach in any such school shall have had *special training for teaching, and shall be graduates of a training school for teachers of the deaf by the 'oral' method, and shall also have had special training in the teaching of the deaf, including at least one year's experience as a teacher in a school for the deaf.* The so-called 'oral' system shall be taught by such teachers, and if after a fair trial of nine months, any of such children shall for any reason be unable to learn such oral method, then no further expense shall be incurred in the effort to teach such child, so unable to learn such oral method, in such primary schools."

Four conditions of qualification are fixed by the foregoing law:

(a) Special training for teaching.
(b) Shall be graduates of a training school for teachers of the deaf.
(c) Special training in the teaching of the deaf.
(d) One year's experience as a teacher in a school for the deaf.

Interpretation of the Law by the State Superintendent.

(a) By "special training for teaching" is meant normal school training or its equivalent in actual experience in the schoolroom.

(b) "Graduates of a training school for teachers of the deaf by the oral method." We understand by this that every teacher hereafter employed in day schools for the deaf must have graduated from a school giving a special course of instruction in the teaching of the deaf by the aforesaid method. The length of the course is not stipulated but it would be reasonable to suppose that such a course would cover at least two years of such special instruction. Said graduate should hold a diploma or other evidence of completing a proper course.

(c) "Special training in the teaching of the deaf." This is interpreted to mean special instruction during the course mentioned in (b).

(d) "Including at least one year's experience as a teacher in a school for the deaf." This may be interpreted to mean a part of (c), that is, "*student practice teaching*" for one year, or actual teaching of the deaf under contract with a board of education for that period.

Note.—It is the clear intent of the Legislature that those who desire to teach unfortunates of the kind mentioned in section 6 of the law shall have had proper preparation. Our normal schools require a course of at least two years to prepare teachers for "hearing" children; and as it is much more difficult to teach the deaf, a special course of not less than two years is necessary, one of which shall be given to practice teaching.

According to these provisions, and those requiring the certificate of the State Superintendent to vouchers, it will be necessary for each board of education to file with said Superintendent, prior to making any contract, evidence that the persons to be employed by them to teach in day schools for the deaf are legally qualified and entitled to compensation.

VII. *Salaries Paid to Teachers.*

Boards of education should be as careful in the expenditure of State funds as they are with the funds of their school district, and it is suggested that all teachers in schools for the deaf be employed at a definite salary and that such salaries be not greater than twenty-five per cent more than the average salary paid to the other teachers of their schools. Salaries ranging from six hundred dollars to nine hundred dollars should be considered liberal. One hundred dollars per month should be the limit under present conditions. *Teachers employed in day schools for the deaf must not teach in any of the regular lines of school work, nor can they be engaged in teaching any persons who are not "deaf persons" as described in this act.*

VIII. *School Appliances.*

Section three of the law, in regard to appliances, is as follows: "The actual expense incurred for teachers' salaries and purchase of necessary school appliances by any school district in support of a day school for the deaf."

The only reasonable interpretation to place upon this law is that the State will reimburse the district for such apparatus as is necessary in schools for the deaf and not in the regular grades of public schools. The children belong in the district and it is the duty of the district and not of the State to furnish ordinary school supplies.

The district, therefore, should furnish rooms, heating, desks, tables, chairs, library books, magazines, kindergarten material, cardboard, supplementary readers, musical instruments, pencils, ink, toys, etc.

The State will pay for manual training supplies, Binner charts, speech charts, conversation tubes, ear trumpets, mirrors, stethoscope and such other apparatus as is necessary to teach the deaf. Vouchers for any other material will be rejected.

Section three also provides, "that the title to all apparatus purchased by the State shall vest in the State and an inventory thereof be filed with the Superintendent of Public Instruction on July 1st of each year."

IX. *Progress of Pupils.*

Especial attention is called to the last sentence of section five of the law which requires that there shall be an accurate note taken of the progress which each pupil has made and "if after a fair trial of nine months any of such children shall for any reason be unable to learn such oral method, *then no further expense shall be incurred* in the effort to teach such child so unable to learn such oral method in such primary schools." All such children, and those who by their age should be learning a trade, ought to be sent to the school at Flint. The number thus dropped from the school should be given in the report.

X. *Vouchers.*

The vouchers for use in the disbursement of funds from the State are prepared by the Auditor General and will be furnished to the secretary of the school board. These vouchers should be made up in triplicate each month for the salaries of the month and for any appliances purchased during the month. All vouchers for salaries should state the time covered by the payment and the rate of salary per school year. Those paying for appliances should state the article, price per unit, number of units, and total for each purchase. These vouchers should be receipted as provided and the date of payment by the treasurer of the school board should be inserted in the receipt. The board of education will preserve one voucher and forward the other two within the first five days of the succeeding month to this office. One will be preserved by the Department and the other filed in the office of the Auditor General.

XI *Time and Manner of Payment by the State.*

The aggregate number of days' attendance, in the school year, will be divided by 180 to determine the number of pupils in attendance, and this quotient multiplied by 150 to find the maximum amount to be audited by the Auditor General. Immediately upon receiving the annual report of the board of education mentioned in paragraph No. II, the Superintendent of Public Instruction will advise the Auditor General as to the maximum amount to be allowed to any board of education maintaining a school for the deaf under the provisions of the law. The Auditor General will then examine the vouchers filed in his office and draw his warrant on the State Treasurer for the full amount of the vouchers allowed by him, such amount not to exceed one hundred fifty dollars for each 180 days of actual attendance, and the amount of said warrant will be at once forwarded to the treasurer of the board of education.

Advantages of day schools.

The day schools for the deaf have two distinct advantages over a State institution. First, the child remains within the jurisdiction of the home, an immeasurable benefit to young children. No sympathy, no public environment, can take the place of the home. Second, he comes into direct contact with hearing children.

The day schools of Michigan are all, with the exception of the one in Ironwood, housed in public school buildings in the various cities, and, with the exception of two, are in rooms well lighted, well ventilated, and accessible. These two are in basements which are not desirable places for school purposes. The one in Ironwood is situated in the beautiful domestic science building a few rods from the high school.

The Course of Study.

Oral language is the principal subject of instruction throughout all this work. The subject matter presented in the grading of classes after the first three or four years is planned in accordance with the course of study in the city schools but in all this work, no matter what the subject of study may be, especial attention must be given to the language. The aim is, through speech and speech reading, to restore the child as far as possible to a normal condition.

The ordinary deaf child having been allowed to live in the home without restraint is in consequence deficient in all those powers that are strengthened by the exercise of self-control and directed energy. Especial attention is therefore given to developing his powers of self-control, attention, observation, imitation, and concentration. This is done largely by training the senses, and as the child lacks one of these, the others must be more than ordinarily acute to place the deaf child upon anything near the mental basis of the hearing child. When once he has begun to comprehend the meaning of words and the fact that he can learn things his senses become remarkably acute and his power of concentration wonderfully strong.

Through the courtesy of the Detroit board of education I give below the plan of work for sense training, self-control and speech together with cuts illustrating the same, used in Detroit day schools:

E as in see.

U as in true.

A as in arm.

F as in fan.

M as in me.

SOME SPEECH ELEMENTS, SEEN ON THE LIPS.

GRAMMAR GRADES. RHYTHM WORK.

I. MUSCULAR GYMNASTICS AND RHYTHM WORK.

1. Imitation Exercises.
   Aim—To cultivate attention and imitation.
   a. Class in unison, following the teacher in movements easily imitated, as, walking, sitting, standing erect, sitting erect, head erect, shoulders back, marching, running, etc.
   b. Movements of the arms, hands, feet.
   c. Gymnastics of the face—opening and shutting the mouth, eyes.
   d. Jaw movements,—vertical, sideways. To secure flexibility of the lower jaw, and a quiet position of the tongue.
   e. Lip apertures for vowels—without voice—ē, ä, ū.
   f. Positions for consonants.
2. Rythm work.
   a. Develop the idea of time. Study of different kinds of time, as, four-four, three-four, two-four.
   b. Expressions of these with the hands, feet and body-movements. First, by counting, then with music.
   c. Marking time, marching, skipping, calisthenics with music. Particular attention to the accent.
   d. Application of accent to speech work. As soon as a few elements are taught, give in combination in a series, and place accent, as fē, fē, fē′. Application of accent to words and emphasis of words in sentences.
3. Vibration.
   Aim—To distinguish between strings of rapid and slow vibration, applying this knowledge to distinguishing between high and low pitch in voice work.
   The study of vibration follows the study of textures and strings. A piano, guitar, zither, or other string instrument may be used. The child places his hand upon the instrument where he can best feel the movement.
   a. Comparison of high and low pitched strings. With closed eyes he distinguishes between these two pitches. After he is positive about these, add medium pitches, then others.
   b. Comparison of voice, felt in the teacher's throat, with the vibration of strings.
   c. Comparison of voice, felt in the teacher's throat, with those felt in his own throat.

II. SENSE GYMNASTICS.

1. Form.
   a. Splint and stick laying. With colored splints or sticks, in imitation of the teacher.
      Figure reproduced without the teacher's aid.
      Reproduced on the blackboard with crayon of the same color as the sticks.

b. Textures and designs of cloth, paper, etc.
   1. Matching similar textures.
   2. Matching similar designs in different colors. Materials used—cloths, tapestry, wall paper.

c. Writing—Tracing and copying, using the blackboard or wide-spaced paper, and soft pencils.

d. Drawing and paper cutting.
   Encourage children to make drawings, however crude, to express themselves. Direct attention to most striking objects, such as animals, with their actions, and let them reproduce with crayon, or, by paper cutting.

2. Form and size.
   Recognition by sight, not employing touch.
   a. Of small geometrical solids. A small solid is shown, and returned to the basket of similar forms. A child is then called upon to select it. Various exercises using duplicate models may be introduced until all the forms are presented.
   b. Surface—Outline forms of models. Pieces of thin wood, or cardboard called "tablets" are used in the same way.
   c. Length and size. For length, use splints, or pencils of different lengths. For size, use a set of baskets, or a set of blocks, or balls of different sizes.

3. Form and color.
   a. Sets of objects which are alike in all respects are used. Matching a red ball with a red ball, a blue card with a blue card. The color chart, using only the standard colors, afterwards add tints and shades.
   b. Different materials. Match red wool with red silk, a red dress with a red on the color chart. Find all the red in the room.
   c. Match pictures. "Picture games."
   d. Water colors. Paint circles, squares, oblongs, etc., without line. Paint to line. Free expression.

4. Touch. Recognition by touch, not employing sight. (Blindfold child.)
   a. Recognition of their toys by the sense of touch alone.
   b. Of small solids. Same solids as used under "sight." Give form to the child, allowing him to examine carefully with his hands. Place among the others and have him select, depending solely upon the sense of touch.
   c. Surface forms. Same models as when surface was studied through sight.
   d. Length and size. Same models as were used before under sight.
   e. To recognize difference in weight. Balls of the same color and size, but of different weights are used. Hollow rubber balls weighted with one, two, three, and four ounces of shot are good. Blocks of minerals having different specific gravity are also good.
   f. Textures. Same as used for sight. Select one which has been previously examined, from among the others. Match, using touch alone. Use cottons, wools, silks. Different textures, weights, and qualities. Also fur. Strings of different sizes and textures.

PREPARATORY GRADE. BREATHING EXERCISE.

Number.—Counting and the application of number to objects they know about. To know and lip-read these. "Show me two ears." "Find two chairs." "Bring three balls." "Minna has one mouth," etc., in connection with language work.

ARTICULATION.

Much of the work in sense training is given as an aid to or a preparation for direct speech teaching or to lip-reading. The observation and imitation of motion, to final lip and face movement, is a preparation for lip-reading, and the imitation of these is a preparation for articulation, which is begun, simultaneously, on the first day of school.

Breathing exercises.—Although many of the physical exercises of children make special demands on the breath, they are not sufficient, nor of the nature, to regulate its action for speaking purposes, and special exercises are necessary to gain this power and control. Those who hear and speak have been unconsciously using these forces since they formed the first word, so their lungs and muscles are highly developed. Deaf children use them only for respiration and their action is limited.

These exercises are arranged to aid in the development of the lungs, and the cultivation of proper breathing habits; to teach them to control or economize the breath in speaking; as an aid in pitching voice; to give an idea of long and short vowels, and to assist in teaching syllabication and accent.

Exercise I.

a. Lips closed, inhale, filling lungs completely.
b. Hold from one to five seconds.
c. Exhale forcibly through the mouth. Blow out a lighted candle. Blow away pieces of paper, graduated in weight, from light to heavy. Blow bits of cotton, wool, or feathers.

Exercise II.

a. Lips in ē position. Inhale through the nose, completely filling the lungs.
b. Hold from one to five seconds.
c. Exhale forcibly through the mouth; lips in ä position.
d. Repeat a and b. Exhale with lips in ē position.
e. Repeat a and b. Exhale with lips in ü position.

Exercise III.

a. Repeat a and b, exercise I.
b. Exhale slowly in whispered hä.

Exercise IV.

After a repetition of a and b, the breath is exhaled, as in III, but in a loud voice, using first the sound of hä, then hē, then hü. This exercise trains the tongue and soft palate. The sound of hä requires the soft palate to be held in a raised position and also necessitates a quiet position of the tongue.

The above exercises are used during the first two years, introducing No. IV after the pupil can speak the vowels. With very young children

or physically weak pupils, great discretion must be used so that no dizziness or fatigue is produced.

With the beginning of the third year these may be added:

Exercise V.

a. Fill the lungs with three inhalations, taken in succession, with a pause of a second between each.
b. Hold the breath from five to ten seconds.
c. Exhale in three expirations, in form of whispered hä.

Exercise VI.

a. Same exercise, taking six inspirations.
b. Hold in the same manner as before.
c. Exhale in six expirations, reserving enough breath to count aloud, one, two, three, at the end of the expiration, not allowing a total exhaustion of the lungs, as it is weakening.

Breathing exercises in connection with arm movements in calisthenics.

VOICE GYMNASTICS.

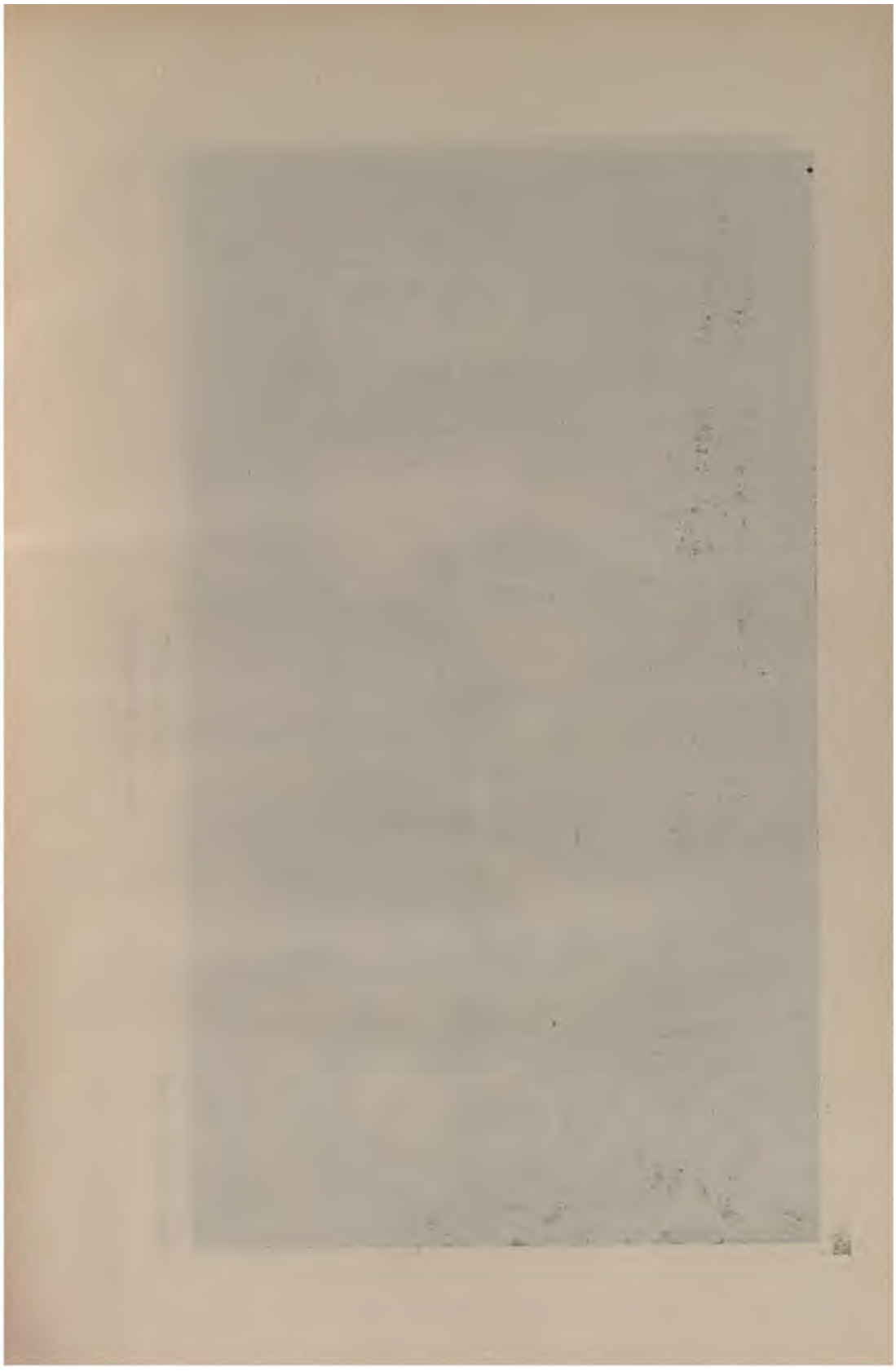
"From the simple to the complex" is a pedagogical maxim which is nowhere more applicable than in teaching the deaf to articulate. Begin with the simplest sounds, and gradually proceed to the more difficult, until all are mastered. The simplest sounds, selected from his point of view, will be those best seen, best felt, and easiest of execution, since with hearing excluded he is dependent upon sight and touch.

While all teachers agree that some such order of procedure is necessary in teaching these elements, it is interesting to note that no two children will encounter the same difficulties in the acquisition of speech.

When pupils have gained some idea of attention and imitation, which will be acquired in about a week, this real work of speech-teaching should begin. The position for an element is assumed by the teacher; the pupil observes and imitates. Use the mirror for visible elements, and to correct defects; and the sense of touch for concealed movements, and vowels. F and p are excellent for a beginning, as they have definite positions, are easy of execution, and the organs used in their formation can be seen by the child. The effect of the breath can also be seen against a slip of paper, or the lighted candle, which adds to his interest.

The succession in which the consonants are presented, is based upon physiological laws governing their production,—from the simplest to the most difficult. Sometimes, however, in attempting one speech element another is perfectly given; it should be accepted and given its proper association, though, generally speaking, one element is mastered before another is attempted. L and r usually present some difficulty and should be reserved until more control is obtained by a mastery of the others. Because of the nasal effect of n, m, and ng upon the vowels, it is well to place them also, after considerable drill upon the others.

In the preceding imitation drill, the pupil has had the jaw movement, securing flexibility of the lower jaw, and lip positions for ē, ä̈, and ü̈, securing mobility of the lips. Both exercises are designed to teach a quiet position of the tongue, with the point resting against the lower part of lower front teeth, and the ability to hold it, which is so essential for round clear vowels. Ē, ä̈, and ü̈ are the extreme positions in vowel



PREPARATORY GRADE.

SENSE TRAINING.

Sight work.—Matching designs.

PREPARATORY GRADE.

LANGUAGE.

"Everything has a name."

PREPARATORY GRADE. BREATHING EXERCISE.

PREPARATORY GRADE.

SENSE TRAINING.

Developing the sense of touch.

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PREPARATORY GRADE.

SENSE TRAINING.

Sight work.—Matching designs.

PREPARATORY GRADE.

LANGUAGE.

"Everything has a name."

formation, the shape of the resonator being longest in ü, shortest in ē, and with the widest vertical opening in ä. All the other vowels will find their places in a modification of this resonator, between ē and ä, or between ä and ü, and are easily acquired after them.

In placing a child's voice, in this vowel teaching, much depends upon the critical ear of the teacher. The exercises in vibration, rhythm, and breathing have been found especially helpful. The pupil feels the vibration in the teacher's throat, and also in his own, modulating his voice to a natural agreeable key. Here the physical condition of the child must be taken into consideration,—a weak child will have a higher pitched voice than a strong, robust one.

After all the class can speak and lip-read an element, it is associated with its written form, and placed upon the board, and also upon the drill chart, which is compiled by the class as the elements are learned. As soon as an element is learned it is put in combination with one already known, and drilled. Consonants are combined, also vowels and consonants, placing the accent as soon as repetition in succession becomes fluent, as pä′, pä, pä; fē, fē′; bä, bä′, bä. Accent is applied to words of more than one syllable, and accent or emphasis applied to short sentences.

These elements with their combinations should be mastered in from four to six months. The aim in this early articulation work is to give, not only the elementary sounds and their combinations, but to attain such a degree of fluency in their execution, that later, in the presentation of new words and ideas, but little time is required for articulation drill.

AURICULAR TRAINING.

Test of pupils.

1. To ascertain if pupil has hearing, or even sound perception. By means of bells, whistles, piano, tuning fork, or voice.
2. Degree of hearing—Ability to hear vowels,—if not able to distinguish between them, ability to tell how many times each was sounded.

Training.

1. To associate sounds with objects, as the bell with its sound, the whistle with its sound, voice with throat vibration, etc. Let the child see the object, and know that the sound is made.
2. To recognize the sound through the ear alone. To know the number of times it is given.
3. Without seeing, to distinguish between two sounds previously learned. To distinguish all sounds learned.
4. (a) Using ē, ä, ü with tubes. (Sometimes a child will hear one and not the other.) Add the other two, and then the other vowels.
   (b) Teach known words containing these vowels. (Known on the lips.)
   (c) Teach known sentences.
   (d) Voice modulation in sentences.

Marked results in ability to hear have been gained during the last two years. Some children, who had sound perception, but who were not at that time able to distinguish between the sounds of a bell and a whistle, have, under training, developed so that they are now able to distinguish vowels. Others, whom we found could hear voice, but could not speak or distinguish vowels or words, can now hear words which they have learned, when spoken very loudly.

In all these cases, speech teaching, and thus the proper association of sounds with the muscular movement, as well as with the idea, has been a very important factor in auricular development. The children in these cases hear what they have been taught to speak. The effect of even a little hearing, soon manifests itself in increased ability to modulate the voice, and we feel that much improvement may be made in this direction. We hope, during the coming year, to make more accurate tests, and secure a more complete classification.

LANGUAGE.

"Develop speech in a deaf child in the same way that nature does in the hearing child."

In order to better understand the treatment necessary to obtain this development, let us take a brief glance at the condition of the two children during the five years prior to their entrance upon school life.

The hearing child, during this time, lives in a world of sound and speech. A child is a natural imitator, and he has the best of teachers —his mother. All the favorable relations and circumstances of domestic life furnish material for the first lessons. She does not trouble him with grammatical rules, but after using all the material within doors, the streets, the people, the shops, the country, become subjects of living language lessons.

"To amuse, to astonish, to delight, are her methods of provoking inquiry, and a thousand questions are asked and answered. Then as occasions for repetition are constantly recurring, the learning of language is steadily advancing. He learns also from the almost uninterrupted flow of conversation around him, much of which, although not intended for him directly, interests and instructs him."

When such a child enters school his teacher finds him already provided with language acquired in the home life, and able to express his simple ideas and wants. He has also a store of experience and outside information. They have a common starting point from which the teacher perfects this language and proceeds to special instruction. Even if such a child never enters school he is, in a way, educated by this constant use of language.

And what has the little prisoner of silence been doing during these five years? He also is an imitator, and imitates what he sees, the motions around him. As a result he presents himself as a candidate for knowledge, destitute of verbal language, using in its stead a few rude gestures of little intellectual value. He is familiar with and perhaps tired of toys and objects of which he does not even know the name. He is generally not understood by the people around him, and is not infrequently subject to violent outbursts of temper because [illegible]ri-

FIRST YEAR.

ARTICULATION AND LANGUAGE.

Teaching the verb "to have."

FIRST YEAR. LANGUAGE ASSOCIATED WITH ACTION.

ence has taught him that by this means he has commanded attention, and obtained what he desired.

The deaf child knows nothing of the direct relation of names to objects as learned intuitively by the hearing child, who at once imitates and applies them. The first conception he has of language is when he realizes that everything has a name. He then learns that the forms produced by the lip movements of the teacher, the articulate word spoken by himself, and the written form mean the same as the object or action itself. During this period, slips of cardboard bearing the printed and written names are attached to all the objects in the room including the toys, and this list is gradually increased until it includes everything he uses. By a process of repeated association he comes to recognize the lip movement and the name on the slips as representative of the object itself.

LIP-READING.

In all the day schools pupils are taught lip-reading and speech. The art of seeing and interpreting the movement of the organs of speech is called lip-reading. Success in it depends upon keen sight, close observation, and a usable vocabulary. It is not, however, accurate. For instance, no one can with certainty tell the difference on the lips between pat and bat, had and hat, and many other common words. Persons can, however, learn to read quite readily ordinary connected conversation. In fact, less difficulty is found in teaching lip-reading than in teaching speech.

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It has been stated that not all children can be taught speech. The average child who can learn it can speak about sixty words the first year, three hundred the second year, five hundred to seven hundred the third. But in addition to being able to speak the words the child must become master of the usage. The hearing child finds constant use in his play and elsewhere for his vocabulary so that speech becomes spontaneous. He enters school with from eight hundred to fifteen hundred words that he can use and many more that he can comprehend. The deaf child has had none of these avenues of learning. He has lived in a world of silence. Dickens describes Laura Bridgman as "Built up in a marble cell, impervious to any ray of light or sound, with her poor white hand peering through a chink in the wall, beckoning to some good man for help that an immortal soul might be awakened."

Often the child comes from a home of poverty and ignorance where the pressing necessity for earning bread and clothing is so great that he has been neglected. He knows no names, not even his own. Indeed, he does not know that things have names. He has no verbal experience. He has scarcely any means of communication except pantomine expressions to indicate animal wants. There is no means by which the teacher can convey to him an idea or make herself understood. The only way he can be made to sit down even is by physical force. In many children little has seemed to develop except the animal nature. The ethical nature, the affections, the thought, are as sluggish as at birth.

A representative from this Department found in one of the day schools

Illustration of method.

a child who had entered a few days before, and during much of this time had done little but cry and resist all approaches on the teacher's part. He was in consequence left almost entirely to himself and not until the third day did he seem to take any note of his surroundings. He first noticed the other children and was finally induced by them to take their hands and walk around the room in one of their children's games. This "touch" seemed to penetrate the feelings of the child and open his soul to an unknown world. The next day he entered the room a new being. All fear seemed to have vanished. He noted a relation between what the teacher did and what the pupils did. One of the methods of teaching the letter p is to have the child puff out a lighted candle. Before the day was over he took special interest in seeing the beginning class "puff" out the candle. Each time the teacher passed it along before each pupil to "puff" it out, she held it momentarily before him. Suddenly he caught the idea, perhaps the first idea ever conveyed to him by a human being, and with an energy and delight both surprising and touching "puffed" out the flame. The teacher states that from that moment he has been a changed child. For the first time in his life he sees things intelligently.

It is such things as these that account for the seemingly ever-increasing zeal of teachers of the deaf, for there is nothing that so touches and vivifies the human soul as a vision of the awakening of another human soul. Dead indeed must be that person who could view such experiences without emotion.

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The nationality of the fathers of the pupils enrolled in the day schools for the deaf is as follows: American, 57; Austrian, 1; Belgian, 2; Canadian, 2; English, 9; French, 3; Finn, 5; German, 30; Holland, 10; Italian, 1; Irish, 5; Polish, 16; Russian Jew, 1; Swede, 5; Swiss, 1; Scotch, 1; unknown, 2.

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The ages of the pupils enrolled in 1904-5 were as follows: Five years of age, 5; six years of age, 4; seven years of age, 8; eight years of age, 13; nine years of age, 17; ten years of age, 15; eleven years of age, 14; twelve years of age, 19; thirteen years of age, 12; fourteen years of age, 8; fifteen years of age, 9; sixteen years of age, 6; seventeen years of age, 4; eighteen years of age, 2; nineteen, twenty, twenty-one, twenty-two, and twenty-three years of age, 1 each.

By grades they were classified as follows: Beginners, 25; first grade, 24; second grade, 27; third grade, 30; fourth grade, 16; fifth grade, 7; sixth grade, 4; seventh grade, 6; eighth grade, 2.

Condition of hearing.

One had perfect hearing but no speech; 36 had dull hearing; 27 had vowel hearing; 72 were totally deaf; 5 had sound perception; 48 were born with defective hearing or totally deaf; 5 had been deaf one year; 1 deaf two years; 5 deaf three years; 9 deaf four years; 11 deaf five years; 6 deaf six years; 17 deaf seven years; 7 deaf eight years; 4 deaf nine years; 5 deaf ten years; 3 deaf eleven years; 6 deaf twelve years; 3 deaf fourteen years; 2 deaf fifteen years; others for an unknown period.

Outside the Detroit school, the year 1904-5 was the first year for 57,

SECOND YEAR.

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Morning journal and conversation.

THE SEWING CLASS.

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One hundred thirty of those enrolled are reported as normal mentally. The eyesight of 141 is reported good; of 1, weak; of 24, defective.

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During the year 1904-5 there were 78 boys and 85 girls enrolled in the day schools, distributed as follows:

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Menominee	3	2	2.13
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Traverse City	4	6	6.58
Total	78	85	132.59

General condition and classification of pupils.

Cities.	Eyes defective.	Number enrolled.	Congenital deaf.	Totally deaf.	Read lips readily.	Sound perception.	Vowel hearing.	Normal hearing.	Below average intelligence.	Number teachers.	Repetitioners.	First grade.	Second grade.	Third grade.	Fourth grade.	Fifth grade.	Sixth grade.	Seventh grade.	Eighth grade.	Total.
Bay City	....	8	2	5	6	2	....	....	....	1	....	2	1	....	2	....	....	....	....	5
Calumet	....	10	2	4	9	....	4	....	....	....	....	....	....	....	....	....	....	....	....	....
Detroit	5	44	18	25	....	....	14	*2	....	....	....	....	....	....	4	1	....	1	....	10
Grand Rapids	....	18	6	15	15	....	2	....	....	....	2	....	6	....	....	2	2	2	2	14
Ironwood	....	7	1	4	5	....	2	....	....	....	....	....	6	....	....	....	....	....	....	7
Ishpeming	....	8	2	6	7	....	2	....	1	....	....	....	2	3	2	....	....	....	1	8
Jackson	2	9	5	5	9	....	4	....	....	....	....	....	6	3	2	....	....	....	....	9
Kalamazoo	2	12	5	2	5	*1	2	1	1	....	....	....	1	....	4	1	....	....	....	12
Manistee	....	8	3	3	8	....	5	....	....	1	7	....	....	....	....	....	....	....	....	8
Menominee	....	5	2	2	3	....	3	....	1	1	....	4	....	....	1	....	....	....	....	5
Muskegon (closed)	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Saginaw	2	9	....	4	7	....	5	....	1	1	1	1	2	....	....	1	1	1	1	8
Traverse City	2	9	3	2	9	....	7	....	....	1	....	2	....	5	1	....	....	1	....	9

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Teachers and Expenditures in Day Schools for the Deaf.

Cities.	Teacher.	Preparation.	Amount paid by state.		Amount paid by city.	
			Salaries.	Apparatus.	Janitors, fuel, incidentals.	Fixtures, repairs.
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Grand Rapids	Anna M. Congdon	Mil. Nor.	2,150 00	.....	63 00	75 00
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Ironwood	Daisy Minahan	Mil. Nor	750 00	.....	75 00 50 00	25 00 20 00
Ishpeming	Katherine Fritz	Det. Nor	700 00	6 75		
Jackson	Gertrude Coleman	Det. Nor	800 00			
Kalamazoo	Alice Jenkins	Mil. Nor.	800 00	15 00	.....	50 00
Manistee	Harriet I. Sanford	Det. Mor	700 00	44 12		
*Menominee	Mary D. Cason	.....	322 50	.....	28 54	
Muskegon	Jessie Banford	Mil. Nor.	800 00			
Saginaw	Etta E. McFarlane	Det. Nor.	700 00	3 74		
Traverse City	Caroline Shaw	Det. Nor.	720 00	12 50	110 00	18 00

* School closed for several months on account of sickness of teacher.

Total paid for instruction	$16,034 50
Average daily attendance	132 59
Cost per capita for instruction	120 92
The total expense in all the schools as far as reported was	

RECOMMENDATION.

1. Inasmuch as the State has made provision for teaching the deaf in the public schools, the compulsory school law should be enforced with all deaf children above eight years who are otherwise normal children.

2. Children who for any reason are found to be unable to learn speech should be taught the sign language, and the law should be so amended that it could be done in the day schools. The reasons for having *any* deaf children taught in their home school hold good for *all* children and there is no reason why such as cannot learn speech and lip-reading should be deprived of all home school training when the parents of such children refuse to send them to the State school at Flint.

3. Only teachers who have had successful experience in teaching hearing children should be selected as teachers in the day schools for the deaf. The deaf child is not a normal child and his teacher should know from experience something of the development of the normal child, so that she can more surely guide the mental development of the deaf. In order that this knowledge be kept fresh the teacher of the deaf should have occasionally some experience in teaching hearing children. This might be done by such teacher changing rooms with a teacher of hearing children for half a day each month.

4. It is my opinion that totally deaf boys of fourteen years or more should attend the State school at Flint in order that they may le a trade. It should also be made possible for deaf pupils betweer

and fourteen years of age to have regular manual training work in the cities where they attend.

5. A uniform course of study up to and including five or six years of work for the deaf in the day schools should be adopted. This is especially true in language work. The effort to shape the work in these schools to the regular city course of study often interferes with the work which the deaf pupil must do, and destroys the coherence of all his work.

6. There should be a greater unity of spirit between the State school and the day schools. The tendency of some day school enthusiasts to discount the work for the deaf in the State school seems rather premature, inasmuch as the day schools are not yet very firmly established and moreover have not yet shown to the ordinary observer any superiority over the State school in fitting boys and girls for the activities of life and making them self-supporting. Each method of teaching has its place and each has its limits and exceptions in application. The taxpayers of the State will cheerfully support each just so long as the good of the child is the dominant feature, but will not take kindly to any intolerance towards their own institution.

7. While the Superintendent of Public Instruction has general charge of the day schools for the deaf, the law should be amended to give him specific powers with reference to the following:

a. Qualifications of teachers.
b. Course of study.
c. Appliances peculiar to schools for the deaf.
d. Locating deaf schools.
e. Enforcing the compulsory school law with reference to the deaf.
f. Locating deaf children and compelling them to attend school.
g. Such other matters as might reasonably come before such an official.

HIGH SCHOOL COURSE OF STUDY.

The Michigan State Teachers' Association at its annual session in 1902 adopted a resolution favoring the appointment of a commission to investigate and report concerning a State high school course of study. This commission was to be appointed by proper State authorities and as the Superintendent of Public Instruction is the officer having in charge the public schools of the State it was interpreted to mean that he should appoint the commission. Superintendent of Public Instruction Delos Fall accordingly appointed a commission of seven members consisting of Webster Cook of Saginaw, W. J. McKone of Albion, L. H. Jones of Ypsilanti, A. S. Whitney of Ann Arbor, A. J. Volland of Grand Rapids, E. E. Ferguson of Sault Ste. Marie, and C. L. Bemis of Ionia. **Personnel of commission.**

This commission effected an organization and began the investigation of the subject assigned to it. A preliminary report was made to the State teachers' association in December, 1904, and the complete report submitted to the State Superintendent in June, 1905. The investigation of the committee showed that there is little uniformity in the courses

the second year for 24, the third year for 12, the fourth year for 13, the fifth year for 2, the six year for 5.

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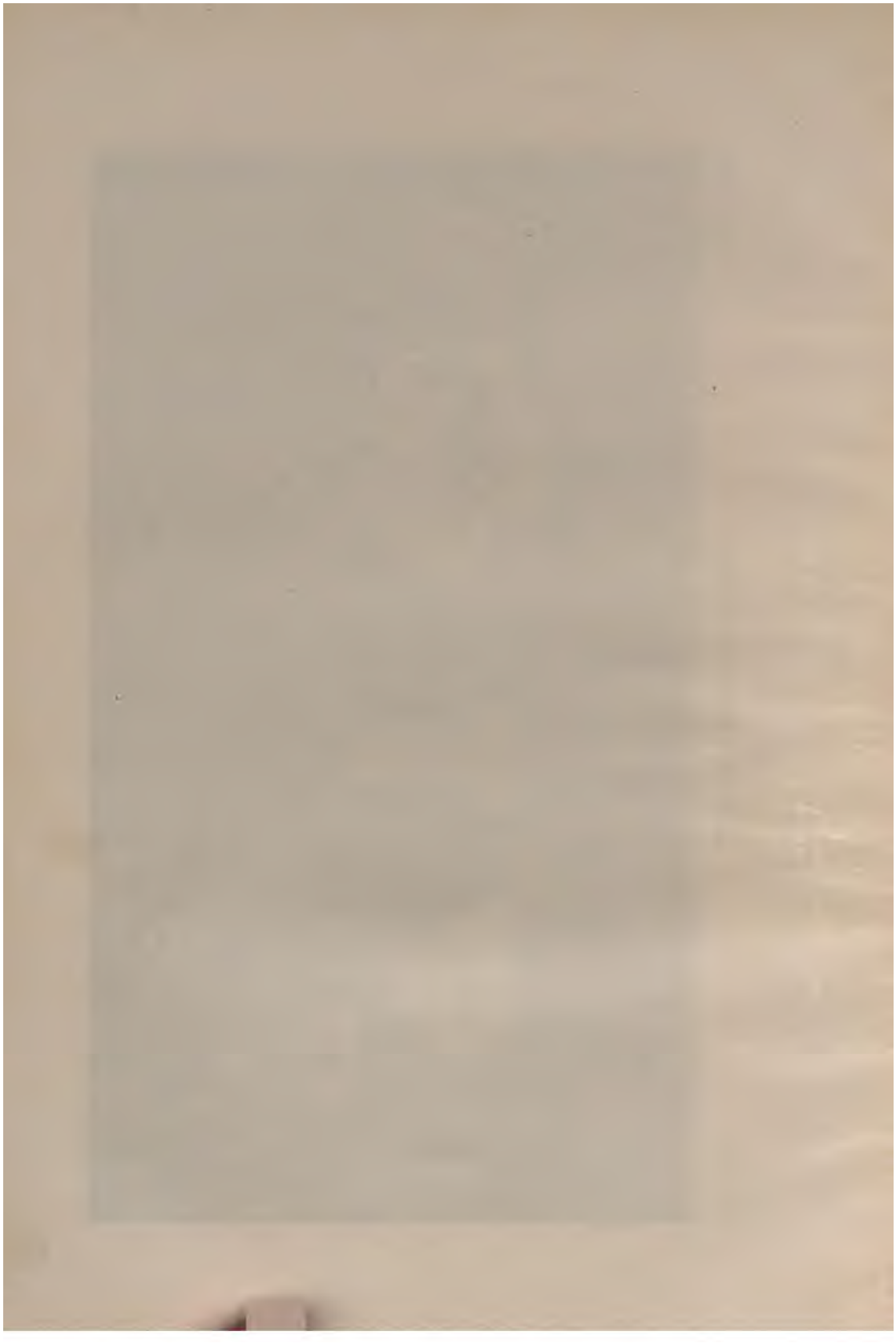

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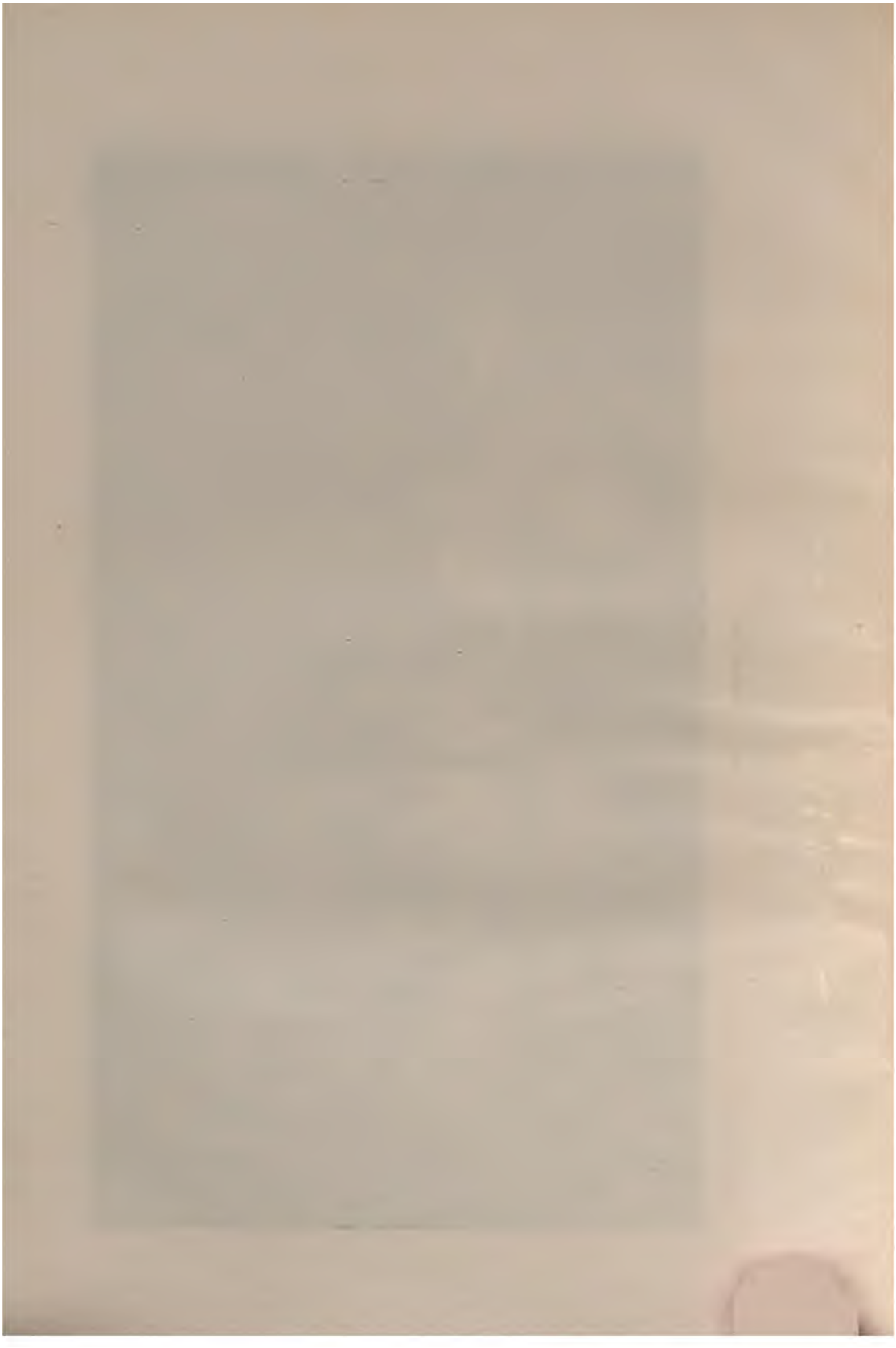

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Manistee	Harriet I. Sanford	Det. Nor	700 00	44 12		
*Menominee	Mary D. Cason		322 50	.....	28 54	
Muskegon	Jessie Binford	Mil. Nor.	800 00			
Saginaw	Ella E. McFarlane	Det. Nor.	700 00	3 74		
Traverse City	Caroline Shaw	Det. Nor.	720 00	12 50	110 00	18 00

*School closed for several months on account of sickness of teacher.

Total paid for instruction	$16,034 50
Average daily attendance	132 59
Cost per capita for instruction	120 92
The total expense in all the schools as far as reported was	

RECOMMENDATION.

1. Inasmuch as the State has made provision for teaching the deaf in the public schools, the compulsory school law should be enforced with all deaf children above eight years who are otherwise normal children.

2. Children who for any reason are found to be unable to learn speech should be taught the sign language, and the law should be so amended that it could be done in the day schools. The reasons for having *any* deaf children taught in their home school hold good for *all* children and there is no reason why such as cannot learn speech and lip-reading should be deprived of all home school training when the parents of such children refuse to send them to the State school at Flint.

3. Only teachers who have had successful experience in teaching hearing children should be selected as teachers in the day schools for the deaf. The deaf child is not a normal child and his teacher should know from experience something of the development of the normal child, so that she can more surely guide the mental development of the deaf. In order that this knowledge be kept fresh the teacher of the deaf should have occasionally some experience in teaching hearing children. This might be done by such teacher changing rooms with a teacher of hearing children for half a day each month.

4. It is my opinion that totally deaf boys of fourteen years or more should attend the State school at Flint in order that they may learn a trade. It should also be made possible for deaf pupils between

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and fourteen years of age to have regular manual training work in the cities where they attend.

5. A uniform course of study up to and including five or six years of work for the deaf in the day schools should be adopted. This is especially true in language work. The effort to shape the work in these schools to the regular city course of study often interferes with the work which the deaf pupil must do, and destroys the coherence of all his work.

6. There should be a greater unity of spirit between the State school and the day schools. The tendency of some day school enthusiasts to discount the work for the deaf in the State school seems rather premature, inasmuch as the day schools are not yet very firmly established and moreover have not yet shown to the ordinary observer any superiority over the State school in fitting boys and girls for the activities of life and making them self-supporting. Each method of teaching has its place and each has its limits and exceptions in application. The taxpayers of the State will cheerfully support each just so long as the good of the child is the dominant feature, but will not take kindly to any intolerance towards their own institution.

7. While the Superintendent of Public Instruction has general charge of the day schools for the deaf, the law should be amended to give him specific powers with reference to the following:

a. Qualifications of teachers.
b. Course of study.
c. Appliances peculiar to schools for the deaf.
d. Locating deaf schools.
e. Enforcing the compulsory school law with reference to the deaf.
f. Locating deaf children and compelling them to attend school.
g. Such other matters as might reasonably come before such an official.

HIGH SCHOOL COURSE OF STUDY.

The Michigan State Teachers' Association at its annual session in 1902 adopted a resolution favoring the appointment of a commission to investigate and report concerning a State high school course of study. This commission was to be appointed by proper State authorities and as the Superintendent of Public Instruction is the officer having in charge the public schools of the State it was interpreted to mean that he should appoint the commission. Superintendent of Public Instruction Delos Fall accordingly appointed a commission of seven members consisting of Webster Cook of Saginaw, W. J. McKone of Albion, L. H. Jones of Ypsilanti, A. S. Whitney of Ann Arbor, A. J. Volland of Grand Rapids, E. E. Ferguson of Sault Ste. Marie, and C. L. Bemis of Ionia. **Personnel of commission.**

This commission effected an organization and began the investigation of the subject assigned to it. A preliminary report was made to the State teachers' association in December, 1904, and the complete report submitted to the State Superintendent in June, 1905. The investigation of the committee showed that there is little unifor[illegible] urses

of study pursued in our high schools and that many of them should be revised and re-organized at the earliest possible date. The course of study used in the school is the basis of the educational training afforded to the young people of that community and in order that the young people shall receive such training as will render them in the highest degree efficient in the work of life it is essential that the course of study shall be practical and as broad as possible.

Under authority provided by the statute the pamphlet containing the course of study was published June 26, 1905, by the State Superintendent, who also recommended it as a uniform course of study for the high schools of the State and as the basis of credit in all State educational institutions. The State Superintendent has presented this course of study so that boards of education, with the advice of their superintendents, may adopt the proper number of units from the schedule that will best meet the needs of the high school in their respective districts. Lack of space forbids the publication in this report of the entire course of study as recommended by the commission, but as a matter of record I give herewith the preface which contains the names of those who assisted in the preparation of the work and the formal statement of the committee. Also, I give the schedule of the course of study as prepared by the commission and recommended by this Department.

PREFACE.

The Commission to consider the State high school course of study, appointed by the State Superintendent of Public Instruction under resolution of the State Teachers' Association, hereby submits its report for the four years' course. Beyond the explanations made in the introduction little more needs to be said here than to acknowledge the great obligations we are under to the teaching profession of the State. As has been elsewhere stated, nearly every subject in the curriculum has been referred to a special committee by which the details have first been worked out. While the commission itself is responsible for everything contained in the report and has sometimes modified the committees' reports to a considerable extent, it is nevertheless only fair to say that the results here given could not have been obtained without the hearty and painstaking cooperation of those whom the Commission had thus called to its assistance. The following are the committees for the various studies:

English—Professors F. N. Scott, University of Michigan; F. A. Barbour, State Normal College; Mrs. Cornelia Steketee Hulst, Central High School Grand Rapids.

Latin—Professors Joseph H. Drake, University of Michigan; Benjamin L. D'Ooge, State Normal College.

Greek—Principal J. G. Pattengill, Ann Arbor High School; Professor Duane Reed Stuart, University of Michigan.

German—Professor Max Winkler, University of Michigan; Mr. Emil Albrecht, Central High School, Detroit; Mr. Ernst Wolf, Yeatman High School, St. Louis, Mo.; Superintendent Philip Huber, Saginaw, West Side.

French—Professors John R. Effinger, University of Michigan; R. Clyde *Ford, State Normal College*; and Mr. Chas. M. Grebus, Detroit.

History—Mr. Jesse B. Davis, Detroit Central High School; Mr. F. A. Bacon, Central High School, Grand Rapids; and the Chairman of the Commission.

Mathematics—Professors Joseph L. Markley, University of Michigan; E. A. Lyman, State Normal College.

Botany—Professors F. C. Newcombe, University of Michigan; C. E. Barr, Albion College.

Zoology—Professors Jacob Reighard, University of Michigan; C. E. Barr, Albion College.

Physics—Mr. C. F. Adams, Detroit Central High School; Mr. H. M. Randall, University, Ann Arbor.

Chemistry—Professors Delos Fall, Albion College; Edwin A. Strong, State Normal College; and Mr. W. L. Whitney, Saginaw High School.

Commercial work—Mr. W. W. Warner, Saginaw High School.

Music—Professors A. A. Stanley, University of Michigan; F. H. Pease, State Normal College; and the Chairman of the Commission.

Freehand drawing—Miss Mary C. Chamberlain, Saginaw; Miss Caroline A. Sheldon, Grand Rapids.

Mechanical drawing—Mr. Chas. D. Webster, Bay City.

Manual training for girls—Miss Fleta Paddock, Saginaw; Mrs. Jennie L. K. Haner, Agricultural College.

Manual training for boys—Mr. Geo. S. Waite, Kalamazoo; Mr. E. A. Bending, Muskegon; and Mr. Geo. M. Brace, Marquette.

No formal committee was appointed for the subject of physiography. Instead the report on that subject for the North Central Association of Schools and Colleges, prepared by Prof. R. D. Salisbury, was taken as a basis and referred to a number of the leading teachers of the subject in Michigan and in other parts of the country. From the reports received from these the Commission has made out the outline of the course herein given. It is especially indebted for assistance in this subject to Mr. C. A. Jewell of the Central High School, Grand Rapids, Miss M. Eleanor Mallory of the Cleveland Central High School, Professor M. S. W. Jefferson of the State Normal College, by whom the list of reference books among other things was prepared, and Miss Martha Sherwood of the Western State Normal school.

In addition the Commission has consulted freely a great many other people, both within and without the State, with regard to various subjects, and has always received courteous treatment and painstaking answers to all its inquiries. To all those who have so assisted in the work the Commission can only acknowledge its deep sense of obligation.

It is only proper for the Commission also to state that State Superintendent of Public Instruction, Dr. Delos Fall, has taken great interest in the work of the Commission, which was created through his appointment, has attended many of its meetings, and has done everything in his power to bring the work to a successful issue.

(Signed) WEBSTER COOK, Chairman.
W. J. McKONE, Secretary.
L. H. JONES.
A. S. WHITNEY,
A. J. VOLLAN[illegible]
E. E. FERGU[illegible]
C. L. BEMI[illegible]

SCHEDULE OF COURSE OF STUDY.

SUBJECTS.	IX.	X.	XI.	XII.
ENGLISH	Literature and composition	Literature and composition	Literature and composition Grammar[1]	Literature[2] and composition-rhetoric
LATIN	Beginning	Cæsar (4 books)	Cicero (6 orations)	Virgil (6 books)
GREEK			Greek	Greek
GERMAN	German	German	German	German[3]
FRENCH	French	French	French	French[3]
HISTORY	Ancient	Medieval[4] and modern	Institutional[5]	American and civics
MATHEMATICS	Algebra	Plane geometry	Algebra[6] Geometry	(7)
SCIENCE	Botany or Biology[8]	Physiography[9] or Zoology	Physics	Chemistry
COMMERCIAL	Arithmetic[6] Bookkeeping	Bookkeeping	Com. geog.[6] Com. law	Stenography Typewriting
MUSIC	Singing Study of principles	Singing Elementary harmony	Singing Advanced harmony	Voice culture History of music
DRAWING	Drawing	Drawing	Drawing	Drawing
DOMESTIC ART	Elementary sewing Simple garments	Pattern drafting and garment making continued	Room decoration Costumes Millinery	Pattern drafting and advanced dress making
DOMESTIC SCIENCE	Laundry work Waitress work	Chemistry of foods Cooking	Foods and cooking	Invalid cooking Sanitation
WOOD WORK	Bench work	Wood turning Pattern making	Wood carving Cabinet making	Advanced cabinet making, etc.
IRON WORK	Forging	Forging (continued) Foundry work	Machine work	Shop work (continued)

[1] For a half-year.
[2] It is expected that in each year of this course about one-half of the time will be given to composition work.
[3] A two years' course may be given where high schools are not prepared to offer four years.
[4] Main emphasis on English history.
[5] For schools desiring to give a four years' course in history; otherwise omit.
[6] A half-year of each.
[7] Arithmetic and algebra may be reviewed, or in preparation for college, in schools having a sufficient force of teachers, trigonometry may be given.
[8] A half-year of each of botany and zoology.
[9] A half-year of zoology and a half-year of physiology may be substituted for either or zoology.

ANNUAL COMMISSIONERS' MEETING.

On Thursday, September 21, the third annual meeting of the school commissioners was held in the Senate Chamber. Fifty commissioners were present.

At the opening session W. W. Wedemeyer, Dr. F. W. Shumway, Mrs. Mary L. Spencer, President J. L. Snyder, and Henry R. Pattengill gave short addresses.

At the second session a number of legal points were presented and the Department passed opinion upon them. The regular program was taken up and Commissioner Slocum of Shiawassee county, Professor C. D. Smith of Michigan Agricultural College, and Ernest Burnham of the Western Normal School discussed the subject of elementary agriculture. Commissioner Townsend of Clinton discussed the subject of the new compulsory attendance law.

A resolution was introduced and passed recommending the use of current events in connection with the study of history, geography, and civics in grades above the fourth and that at least one period a week should be given to this work. A second resolution fixed the time of the eighth grade examination on the first Thursday and Friday of May.

Commissioner E. W. Baker presented the subject of the commissioner's duty as to office records and Commissioner L. E. Miller the commissioner's duty in regard to buildings and improvements. Commissioner A. E. Sterne discussed the subject of the township unit law of the Upper Peninsula. Commissioner Roxburgh presented the subject of weak spots in the eighth grade examination.

A resolution was passed that according to the sense of the meeting six papers an hour, or forty-eight papers a day, should constitute a day's work for members of the board of examiners.

Numerous points of school law and school management were discussed and decided during this meeting and we consider it the best yet held in the State.

STATE TEACHERS' ASSOCIATION.

The Michigan State Teachers' Association was organized in 1852 and has been a powerful educational factor in the State. In recent years the annual meeting has been held during holiday week but at the annual meeting in December, 1904, a resolution was introduced to change the date of the meeting and this culminated in an amendment to the constitution at the annual meeting in 1905 authorizing the executive committee to change the date, if thought best. The executive committee fixed the time of meeting for the year 1906 for October 25, 26, and 27, the plan being for the State Superintendent to appoint a State teachers' institute to be held in connection with the meeting of the association. The outcome of this change will be watched with great interest by all Michigan educators. Through the kindness of the secretary, Superintendent E. D. Palmer, I give herewith, as a matter of general information for our people and for future reference, the officers and meeting places of the association since its organization.

Officers and meeting places of the Michigan State Teachers' Association since its organization.

Year.	Place.	President.	Vice President.	Vice President.	Secretary.	Treasurer.
[1]1852	Ypsilanti	A. S. Welch				
[2]1853	Ypsilanti	A. S. Welch				
1854	Detroit	J. M. Gregory				
1855	Ann Arbor	Joseph Estabrook				
1856	Ypsilanti	J. A. B. Stone				
1857	Adrian	F. Hubbard				
1858	Niles	Alex. Winchell				
1859	Pontiac	E. J. Boyd				
1860	Ypsilanti	E. L. Ripley	G. H. Botsford	J. J. Sadler	John Richards	J. M. B. Sill.
1861	Kalamazoo	J. M. B. Sill	E. B. Fairfield	Edward Olney	W. S. Perry	G. H. Botsford.
1862	Hillsdale	E. B. Fairfield	W. S. Perry	E. B. Briggs	John Goodison	G. H. Botsford.
1863	Marshall	O. Hosford	J. M. B. Sill	E. A. Strong	H. S. Bush	G. H. Botsford.
1864	Ann Arbor	Daniel Putnam	W. H. Payne	U. W. Lawton	Merritt Moore	G. H. Botsford.
[3]1865	Detroit	W. H. Payne	Lewis McLouth	E. A. Strong	Merritt Moore	John Goodison.
[4]1866	Kalamazoo	W. H. Payne	H. A. Latson	H. Z. Potter	C. F. R. Bellows	John Goodison.
1867	Lansing	D. P. Mayhew	E. A. Strong	V. P. Sidman	C. F. R. Bellows	John Goodiso .
1868	Adrian	H. L. Wayland	N. H. Winchell	J. W. Ewing	C. F. R. Bellows	John Goodison.
1869	Saginaw City	T. C. Abbott	C. B. Thomas	N. H. Winchell	C. F. R. Bellows	John Goodison.
[5]1870	Ypsilanti	Duane Doty	U. W. Lawton	Z. Truesdale	Ruth Hoppin	Harriet Barnes.
1871	Detroit	Duane Doty	J. B. Estabrook	O. D. Thompson	Julia A. King	B. R. Gass.
1872	Jackson	J. F. Nichols	E. A. Frazer	C. B. Thomas	M. M. Rose	B. R. Gass.
[6]1873	Ann Arbor	James B. Angell	J. C. Jones	A. J. Daniels	G. M. Clayburg	B. R. Gass.
1874	Kalamazoo	Daniel Putnam	I. Wellington	W. H. Payne	H. S. Tarbell	E. V. W. Brokaw.
1875	Grand Rapids	H. S. Tarbell	Austin George	J. C. Jones	Mrs. S. A. Perkins	E. V. W. Brokaw.
1876	Lansing	W. S. Perry	George B. Jocelyn	Julia A. King	W. L. Eaton	C. B. Thomas.
1877	East Saginaw	C. F. R. Bellows	W. H. Osband	George E. Cochrane	W. C. Hill	C. B. Thomas.
1878	Lansing	Edward Olney	A. J. Daniels	Mrs. L. A. Osband	Delos Fall	C. B. Thomas.
1879	"	E. A. Strong	Austin George	Miss F. E. Cushman	Delos Fall	C. B. Thomas.
1880	"	C. B. Thomas	Henry N. French	E. P. Church	Z. C. Spencer	Z. Truesdale.
1881	"	Austin George	I. W. Wellington	M. T. Gass	O. D. Thompson	Z. Truesdale.
1882	"	W. J. Beal	E. P. Church	E. B. Fairfield	David Howell	H. R. Gass.
1883	"	J. B. Estabrook	A. J. Daniels	O. C. Seelye	H. R. Pattengill	S. G. Burkhead.
1884	"	Z. C. Spencer	I. N. Mitchell	F. A. Barbour	H. C. Rankin	Clark Stanton.
1885	"	Lewis McLouth	E. P. Church	J. L. Lucas	Wesley Sears	C. T. Grawn.
1886	"	David Howell	E. C. Thompson	J. G. Plowman	George Barnes	A. C. Brower.
1887	"	J. W. Ewing	D. A. Stevens	J. A. Stewart	C. W. Pickell	E. L. Briggs.
1888	"	E. P. Church	W. D. Clisbe	P. M. Parker	E. C. Thompson	Mrs. C. G. Chaffee.
1889	"	L. R. Fiske	Arthur E. Haynes	J. W. Simmons	H. M. Slauson	Mary E. Tilton.
1890	Grand Rapids	J. G. Plowman	A. Hadlock	C. N. Kendall	D. A. Hammond	W. H. Cheever.
1891	" "	Orr Schurtz	J. W. Simmons	C. T. Grawn	W. W. Chalmers	C. L. Bemis.
1892	Lansing	Henry N. French	A. J. Murray	C. N. Kendall	W. H. Honey	J. A. Stewart.
1893	"	W. H. Cheever	Frank Converse	F. D. Davis	C. O. Hoyt	S. B. Laird.
1894	"	C. T. Grawn	A. Lodeman	N. A. Richards	F. R. Hathaway	T. L. Evans.
1895	"	E. C. Thompson	A. J. Murray	M. A. Whitney	C. W. McKenny	G. R. Catton.

1896	"	C. O. Hoyt	E. L. Briggs	J. A. Stewart	J. D. Schiller	H. T. Blodgett.
1897	"	Delos Fall	J. R. Miller	Mrs. L. W. Treat	W. J. McKone	E. E. Ferguson.
1898	"	J. W. Simmons	H. Z. Brock	J. H. Kaye	S. B. Laird	S. J. Gier.
1899	"	Charles McKenny	Anna Chamberlain	S. O. Hartwell	C. M. McLane	E. M. Plunkett.
1900	Grand Rapids	B. A. Hinsdale	C. H. Horn	I. B. Gilbert	W. F. Lewis	E. J. Quackenbush.
1901	" "	O. D. Thompson	D. B. Waldo	Harriet A. Marsh	J. H. Kaye	F. L. Keeler.
1902	Saginaw	C. L. Bemis	A. G. Slocum	Martha Sherwood	E. D. Palmer	O. G. Frederick.
1903	Ann Arbor	H. R. Pattengill	G. W. Sperry	Vesta B. Smith	E. D. Palmer	H. C. Lott.
1904	Lansing	S. B. Laird	A. J. Volland	F. S. Goodrich	E. D. Palmer	Ernest Burnham.
[7]1905	"	W. J. McKone	J. H. Kaye	John T. Ewing	E. D. Palmer	J. H. Harris.

[1] The Secretary has been unable to find the names of any officers but president previous to 1860.
[2] The first meeting (1852) was in October. Thereafter until 1858 there were two meetings a year, the spring or summer meeting being the annual. The semi-annual meetings were held as follows: 1853, Kalamazoo; 1854, Marshall; 1855, Jackson; 1856, Battle Creek; 1857, Ann Arbor; 1858, Jackson.
[3] In 1865 the annual meeting was changed from July to December, making two annual meetings that year. The second meeting was held at Battle Creek.
[4] As there were two elections in 1865 the dates after that correspond to years when the terms of officers expire.
[5] In 1870 there was also a special meeting in August at Grand Rapids.
[6] In 1873 there was an extra joint meeting with the Ohio association at Put-in-Bay, July 3–4.
[7] The association was 53 years old last October, and this (1905) is the 63d meeting of the association.

THE SCHOOL CENSUS.

Act No. 36 of the Public Acts of 1905 made some important changes in the school laws in regard to the time of annual school meetings, meetings of boards of school inspectors, and the taking of the school census. The provisions of the statute are briefly as follows:

Annual meeting.

The annual school meeting of all school districts except where otherwise provided by special charter shall be held on the second Monday of July. The school year commences on that date and the trustees and officers date their terms of office from that time. The annual meeting of boards of school inspectors is to be held on the first Monday of August. The director of each school district must deliver his annual report to the school inspectors on or before the said first Monday in August, and the district board between the second Monday in July and the first Monday in August must make out and deliver to the township clerk a statement of all the taxes voted by the district which are to be levied for the ensuing year.

Time for enumerating.

The school census in all districts except in cities having a population of 3,000 or over must be taken fifteen days prior to the first Monday in June and in cities having a population of 3,000 or over it must be taken during the twenty days next previous to the first Monday in June. The census and annual report of such cities must be compiled and sent direct to the Superintendent of Public Instruction before the second Monday in July.

The reasons for the changes in the law may be briefly stated: Under the old law it was found difficult to secure an accurate school census. The law provided that it should be taken during the last week in August, and at that time of year many persons were away from their homes at summer resorts, and summer resorts were crowded with people and children so that it was nearly impossible for the census enumerators to determine the exact number of children in their districts. The school meeting being held on the first Monday of September under the old law interfered with the proper opening of the schools in many cases and as a large number of districts already had their meetings on the second Monday of July it was deemed best that the law should fix a single date and that it should be the second Monday of July in all districts. While the change in the law has caused some confusion in the making of reports we are satisfied that in the main the reports this year are more accurate than ever before and the results already achieved show the wisdom of the change in the statute.

Method of enumerating.

In taking the school census the law requires a house to house canvass, the names and ages of children, the names of their parents or legal guardians, and the street or residence number, if any. Children who are five years of age may be included in the census but no child can be included who is twenty years of age. Blanks for making the annual financial reports and for taking the school census are supplied by the Department and every school district is required to report on these blanks. If the records and ac-

counts of the district have been properly kept there is no difficulty in compiling these reports.

Districts in voting taxes must vote specifically the amount of tax for each particular item for which the money may be used. It is illegal for the district board to report to the supervisor a lump sum of taxes to be levied, yet this is done in many cases and as a result it is difficult for township officers and school district officers to keep their books correctly. Greater care should be exercised by school boards in following strictly the provisions of the statute. The people should give more attention to these matters and require their representatives to obey the law and give a strict annual account of all moneys voted, received, and expended.

Financial reports.

In some of our cities the secretary of the board has adopted the excellent plan of keeping a card index of the school census. I give below the form of the three cards which may be used. No. 1 may be filled out either by the parent or employer for the census enumerator, No. 2 is a card to be filled out by the teacher, and No. 3 is the regular card compiled from No. 1 and No. 2 and kept by the secretary of the board of education. A card index system of this kind will facilitate the work of taking the census and will prevent the possibility of errors either for or against the district. I most heartily approve of such a system of taking the census, especially for cities and villages.

Card System.

No. 1.

Date_____

Name _____

Name of Parent or Guardian _____

Parent's Residence, No. _____ Street.

Ward _____ Age _____ Birthday _____ 1

Name of Employer _____

Remarks _____

Teachers and Expenditures in Day Schools for the Deaf.

Cities.	Teacher.	Preparation.	Amount paid by state.		Amount paid by city.	
			Salaries.	Apparatus.	Janitors, fuel, incidentals.	Fixtures, repairs.
Bay City	Martha M. Hill	Detroit Nor	$850 00			
Calumet	Gertrude Van Adestine	" "	1,197 00			
Detroit	Elizabeth Van Adestine	Mil. Nor.	5,545 00	$39 16	$420 00	$1,276 12
	Charlotte Willits	Det. Nor.				
	Dosia Dean	" "				
	Anna Akins	" "				
	Lucie Dumon	" "				
	M. Lizzie Donohue	Mystic. Oral school.				
	May L. Guthrie	Mo. Inst.,				
	Jessie L. Thew	Det. Nor				
Grand Rapids	Anna M. Congdon	Mil. Nor.	2,150 00	.....	63 00	75 00
	Margaret Maybury	Det. Nor.				
	Elizabeth Ahnefeldt	Grand Rapids.				
Ironwood	Daisy Minahan	Mil. Nor	750 00	.....	75 00 50 00	25 00 20 00
Ishpeming	Katherine Fritz	Det. Nor	700 00	6 75		
Jackson	Gertrude Coleman	Det. Nor	800 00			
Kalamazoo	Alice Jenkins	Mil. Nor	800 00	15 00	.....	50 00
Manistee	Harriet I. Sanford	Det. Mor	700 00	44 12		
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and fourteen years of age to have regular manual training work in the cities where they attend.

5. A uniform course of study up to and including five or six years of work for the deaf in the day schools should be adopted. This is especially true in language work. The effort to shape the work in these schools to the regular city course of study often interferes with the work which the deaf pupil must do, and destroys the coherence of all his work.

6. There should be a greater unity of spirit between the State school and the day schools. The tendency of some day school enthusiasts to discount the work for the deaf in the State school seems rather premature, inasmuch as the day schools are not yet very firmly established and moreover have not yet shown to the ordinary observer any superiority over the State school in fitting boys and girls for the activities of life and making them self-supporting. Each method of teaching has its place and each has its limits and exceptions in application. The taxpayers of the State will cheerfully support each just so long as the good of the child is the dominant feature, but will not take kindly to any intolerance towards their own institution.

7. While the Superintendent of Public Instruction has general charge of the day schools for the deaf, the law should be amended to give him specific powers with reference to the following:

a. Qualifications of teachers.
b. Course of study.
c. Appliances peculiar to schools for the deaf.
d. Locating deaf schools.
e. Enforcing the compulsory school law with reference to the deaf.
f. Locating deaf children and compelling them to attend school.
g. Such other matters as might reasonably come before such an official.

HIGH SCHOOL COURSE OF STUDY.

The Michigan State Teachers' Association at its annual session in 1902 adopted a resolution favoring the appointment of a commission to investigate and report concerning a State high school course of study. This commission was to be appointed by proper State authorities and as the Superintendent of Public Instruction is the officer having in charge the public schools of the State it was interpreted to mean that he should appoint the commission. Superintendent of Public Instruction Delos Fall accordingly appointed a commission of seven members consisting of Webster Cook of Saginaw, W. J. McKone of Albion, L. H. Jones of Ypsilanti, A. S. Whitney of Ann Arbor, A. J. Volland of Grand Rapids, E. E. Ferguson of Sault Ste. Marie, and C. L. Bemis of Ionia. Personnel of commission.

This commission effected an organization and began the investigation of the subject assigned to it. A preliminary report was made to the State teachers' association in December, 1904, and the complete report submitted to the State Superintendent in June, 1905. The investigation of the committee showed that there is little uniformity in the courses

of study pursued in our high schools and that many of them should be revised and re-organized at the earliest possible date. The course of study used in the school is the basis of the educational training afforded to the young people of that community and in order that the young people shall receive such training as will render them in the highest degree efficient in the work of life it is essential that the course of study shall be practical and as broad as possible.

Under authority provided by the statute the pamphlet containing the course of study was published June 26, 1905, by the State Superintendent, who also recommended it as a uniform course of study for the high schools of the State and as the basis of credit in all State educational institutions. The State Superintendent has presented this course of study so that boards of education, with the advice of their superintendents, may adopt the proper number of units from the schedule that will best meet the needs of the high school in their respective districts. Lack of space forbids the publication in this report of the entire course of study as recommended by the commission, but as a matter of record I give herewith the preface which contains the names of those who assisted in the preparation of the work and the formal statement of the committee. Also, I give the schedule of the course of study as prepared by the commission and recommended by this Department.

PREFACE.

The Commission to consider the State high school course of study, appointed by the State Superintendent of Public Instruction under resolution of the State Teachers' Association, hereby submits its report for the four years' course. Beyond the explanations made in the introduction little more needs to be said here than to acknowledge the great obligations we are under to the teaching profession of the State. As has been elsewhere stated, nearly every subject in the curriculum has been referred to a special committee by which the details have first been worked out. While the commission itself is responsible for everything contained in the report and has sometimes modified the committees' reports to a considerable extent, it is nevertheless only fair to say that the results here given could not have been obtained without the hearty and painstaking cooperation of those whom the Commission had thus called to its assistance. The following are the committees for the various studies:

English—Professors F. N. Scott, University of Michigan; F. A. Barbour, State Normal College; Mrs. Cornelia Steketee Hulst, Central High School Grand Rapids.

Latin—Professors Joseph H. Drake, University of Michigan; Benjamin L. D'Ooge, State Normal College.

Greek—Principal J. G. Pattengill, Ann Arbor High School; Professor Duane Reed Stuart, University of Michigan.

German—Professor Max Winkler, University of Michigan; Mr. Emil Albrecht, Central High School, Detroit; Mr. Ernst Wolf, Yeatman High School, St. Louis, Mo.; Superintendent Philip Huber, Saginaw, West Side.

French—Professors John R. Effinger, Unive[illegible] Michigan; R. Clyde *Ford, State Normal College*; and Mr. [illegible]rebus, Detroit.

History—Mr. Jesse B. Davis, Detroit Central High School; Mr. F. A. Bacon, Central High School, Grand Rapids; and the Chairman of the Commission.

Mathematics—Professors Joseph L. Markley, University of Michigan; E. A. Lyman, State Normal College.

Botany—Professors F. C. Newcombe, University of Michigan; C. E. Barr, Albion College.

Zoology—Professors Jacob Reighard, University of Michigan; C. E. Barr, Albion College.

Physics—Mr. C. F. Adams, Detroit Central High School; Mr. H. M. Randall, University, Ann Arbor.

Chemistry—Professors Delos Fall, Albion College; Edwin A. Strong, State Normal College; and Mr. W. L. Whitney, Saginaw High School.

Commercial work—Mr. W. W. Warner, Saginaw High School.

Music—Professors A. A. Stanley, University of Michigan; F. H. Pease, State Normal College; and the Chairman of the Commission.

Freehand drawing—Miss Mary C. Chamberlain, Saginaw; Miss Caroline A. Sheldon, Grand Rapids.

Mechanical drawing—Mr. Chas. D. Webster, Bay City.

Manual training for girls—Miss Fleta Paddock, Saginaw; Mrs. Jennie L. K. Haner, Agricultural College.

Manual training for boys—Mr. Geo. S. Waite, Kalamazoo; Mr. E. A. Bending, Muskegon; and Mr. Geo. M. Brace, Marquette.

No formal committee was appointed for the subject of physiography. Instead the report on that subject for the North Central Association of Schools and Colleges, prepared by Prof. R. D. Salisbury, was taken as a basis and referred to a number of the leading teachers of the subject in Michigan and in other parts of the country. From the reports received from these the Commission has made out the outline of the course herein given. It is especially indebted for assistance in this subject to Mr. C. A. Jewell of the Central High School, Grand Rapids, Miss M. Eleanor Mallory of the Cleveland Central High School, Professor M. S. W. Jefferson of the State Normal College, by whom the list of reference books among other things was prepared, and Miss Martha Sherwood of the Western State Normal school.

In addition the Commission has consulted freely a great many other people, both within and without the State, with regard to various subjects, and has always received courteous treatment and painstaking answers to all its inquiries. To all those who have so assisted in the work the Commission can only acknowledge its deep sense of obligation.

It is only proper for the Commission also to state that State Superintendent of Public Instruction, Dr. Delos Fall, has taken great interest in the work of the Commission, which was created through his appointment, has attended many of its meetings, and has done everything in his power to bring the work to a successful issue.

(Signed) WEBSTER COOK, Chairman.
W. J. McKONE, Secretary.
L. H. JONES.
A. S. WHITNEY,
A. J. VOLLAND,
E. E. FERGUSON,
C. L. BEMIS.

SCHEDULE OF COURSE OF STUDY.

SUBJECTS.	IX.	X.	XI.	XII.
ENGLISH	Literature and composition	Literature and composition	Literature and composition Grammar[1]	Literature[2] and composition-rhetoric
LATIN	Beginning	Cæsar (4 books)	Cicero (6 orations)	Virgil (6 books)
GREEK			Greek	Greek
GERMAN	German	German	German	German[3]
FRENCH	French	French	French	French[3]
HISTORY	Ancient	Medieval[4] and modern	Institutional[5]	American and civics
MATHEMATICS	Algebra	Plane geometry	Algebra[6] Geometry	(7)
SCIENCE	Botany or Biology[8]	Physiography[9] or Zoology	Physics	Chemistry
COMMERCIAL	Arithmetic[6] Bookkeeping	Bookkeeping	Com. geog.[6] Com. law	Stenography Typewriting
MUSIC	Singing Study of principles	Singing Elementary harmony	Singing Advanced harmony	Voice culture History of music
DRAWING	Drawing	Drawing	Drawing	Drawing
DOMESTIC ART	Elementary sewing Simple garments	Pattern drafting and garment making continued	Room decoration Costumes Millinery	Pattern drafting and advanced dress making
DOMESTIC SCIENCE	Laundry work Waitress work	Chemistry of foods Cooking	Foods and cooking	Invalid cooking Sanitation
WOOD WORK	Bench work	Wood turning Pattern making	Wood carving Cabinet making	Advanced cabinet making, etc.
IRON WORK	Forging	Forging (continued) Foundry work	Machine work	Shop work (continued)

[1] For a half-year.
[2] It is expected that in each year of this course about one-half of the time will be given to composition work.
[3] A two years' course may be given where high schools are not prepared to offer four years.
[4] Main emphasis on English history.
[5] For schools desiring to give a four years' course in history; otherwise omit.
[6] A half-year of each.
[7] Arithmetic and algebra may be reviewed, or in preparation for college, in schools a sufficient force of teachers, trigonometry may be given.
[8] A half-year of each of botany and zoology.
[9] A half-year of zoology and a half-year of physiology may be substituted for physiography or zoology.

ANNUAL COMMISSIONERS' MEETING.

On Thursday, September 21, the third annual meeting of the school commissioners was held in the Senate Chamber. Fifty commissioners were present.

At the opening session W. W. Wedemeyer, Dr. F. W. Shumway, Mrs. Mary L. Spencer, President J. L. Snyder, and Henry R. Pattengill gave short addresses.

At the second session a number of legal points were presented and the Department passed opinion upon them. The regular program was taken up and Commissioner Slocum of Shiawassee county, Professor C. D. Smith of Michigan Agricultural College, and Ernest Burnham of the Western Normal School discussed the subject of elementary agriculture. Commissioner Townsend of Clinton discussed the subject of the new compulsory attendance law.

A resolution was introduced and passed recommending the use of current events in connection with the study of history, geography, and civics in grades above the fourth and that at least one period a week should be given to this work. A second resolution fixed the time of the eighth grade examination on the first Thursday and Friday of May.

Commissioner E. W. Baker presented the subject of the commissioner's duty as to office records and Commissioner L. E. Miller the commissioner's duty in regard to buildings and improvements. Commissioner A. E. Sterne discussed the subject of the township unit law of the Upper Peninsula. Commissioner Roxburgh presented the subject of weak spots in the eighth grade examination.

A resolution was passed that according to the sense of the meeting six papers an hour, or forty-eight papers a day, should constitute a day's work for members of the board of examiners.

Numerous points of school law and school management were discussed and decided during this meeting and we consider it the best yet held in the State.

STATE TEACHERS' ASSOCIATION.

The Michigan State Teachers' Association was organized in 1852 and has been a powerful educational factor in the State. In recent years the annual meeting has been held during holiday week but at the annual meeting in December, 1904, a resolution was introduced to change the date of the meeting and this culminated in an amendment to the constitution at the annual meeting in 1905 authorizing the executive committee to change the date, if thought best. The executive committee fixed the time of meeting for the year 1906 for October 25, 26, and 27, the plan being for the State Superintendent to appoint a State teachers' institute to be held in connection with the meeting of the association. The outcome of this change will be watched with great interest by all Michigan educators. Through the kindness of the secretary, Superintendent E. D. Palmer, I give herewith, as a matter of general information for our people and for future reference, the officers and meeting places of the association since its organization.

Officers and meeting places of the Michigan State Teachers' Association since its organization.

Year.	Place.	President.	Vice President.	Vice President.	Secretary.	Treasurer.
[1]1852	Ypsilanti	A. S. Welch				
[2]1853	Ypsilanti	A. S. Welch				
1854	Detroit	J. M. Gregory				
1855	Ann Arbor	Joseph Estabrook				
1856	Ypsilanti	J. A. B. Stone				
1857	Adrian	F. Hubbard				
1858	Niles	Alex. Winchell				
1859	Pontiac	E. J. Boyd				
1860	Ypsilanti	E. L. Ripley	G. H. Botsford	J. J. Sadler	John Richards	J. M. B. Sill.
1861	Kalamazoo	J. M. B. Sill	E. B. Fairfield	Edward Olney	W. S. Perry	G. H. Botsford.
1862	Hillsdale	E. B. Fairfield	W. S. Perry	E. B. Briggs	John Goodison	G. H. Botsford.
1863	Marshall	O. Hosford	J. M. B. Sill	E. A. Strong	H. S. Bush	G. H. Botsford.
1864	Ann Arbor	Daniel Putnam	W. H. Payne	U. W. Lawton	Merritt Moore	G. H. Botsford.
[3]1865	Detroit	W. H. Payne	Lewis McLouth	E. A. Strong	Merritt Moore	John Goodison.
[4]1866	Kalamazoo	W. H. Payne	H. A. Latson	H. Z. Potter	C. F. R. Bellows	John Goodison.
1867	Lansing	D. P. Mayhew	E. A. Strong	V. P. Sidman	C. F. R. Bellows	John Goodison.
1868	Adrian	H. L. Wayland	N. H. Winchell	J. W. Ewing	C. F. R. Bellows	John Goodison.
1869	Saginaw City	T. C. Abbott	C. B. Thomas	N. H. Winchell	C. F. R. Bellows	John Goodison.
[5]1870	Ypsilanti	Duane Doty	U. W. Lawton	Z. Truesdale	Ruth Hoppin	Harriet Barnes.
1871	Detroit	Duane Doty	J. B. Estabrook	O. D. Thompson	Julia A. King	B. R. Gass.
1872	Jackson	J. F. Nichols	E. A. Frazer	C. B. Thomas	M. M. Rose	B. R. Gass.
[6]1873	Ann Arbor	James B. Angell	J. C. Jones	A. J. Daniels	G. M. Clayburg	B. R. Gass.
1874	Kalamazoo	Daniel Putnam	I. Wellington	W. H. Payne	H. S. Tarbell	E. V. W. Brokaw.
1875	Grand Rapids	H. S. Tarbell	Austin George	J. C. Jones	Mrs. S. A. Perkins	E. V. W. Brokaw.
1876	Lansing	W. S. Perry	George B. Jocelyn	Julia A. King	W. L. Eaton	C. B. Thomas.
1877	East Saginaw	C. F. R. Bellows	W. H. Osband	George E. Cochrane	W. C. Hill	C. B. Thomas.
1878	Lansing	Edward Olney	A. J. Daniels	Mrs. L. A. Osband	Delos Fall	C. B. Thomas.
1879	"	E. A. Strong	Austin George	Miss F. E. Cushman	Delos Fall	C. B. Thomas.
1880	"	C. B. Thomas	Henry N. French	E. P. Church	Z. C. Spencer	Z. Truesdale.
1881	"	Austin George	I. W. Wellington	M. T. Gass	O. D. Thompson	Z. Truesdale.
1882	"	W. J. Beal	E. P. Church	E. B. Fairfield	David Howell	H. R. Gass.
1883	"	J. B. Estabrook	A. J. Daniels	O. C. Seelye	H. R. Pattengill	S. G. Burkhead.
1884	"	Z. C. Spencer	I. N. Mitchell	F. A. Barbour	H. C. Rankin	Clark Stanton.
1885	"	Lewis McLouth	E. P. Church	J. L. Lucas	Wesley Sears	C. T. Grawn.
1886	"	David Howell	E. C. Thompson	J. G. Plowman	George Barnes	A. C. Brower.
1887	"	J. W. Ewing	D. A. Stevens	J. A. Stewart	C. W. Pickell	E. L. Briggs.
1888	"	E. P. Church	W. D. Clisbe	P. M. Parker	E. C. Thompson	Mrs. C. G. Chaffee.
1889	"	L. R. Fiske	Arthur E. Haynes	J. W. Simmons	H. M. Slauson	Mary E. Tilton.
1890	Grand Rapids	J. G. Plowman	A. Hadlock	C. N. Kendall	D. A. Hammond	W. H. Cheever.
1891	" "	Orr Schurtz	J. W. Simmons	C. T. Grawn	W. W. Chalmers	C. L. Bemis.
1892	Lansing	Henry N. French	A. J. Murray	C. N. Kendall	W. H. Honey	J. A. Stewart.
1893	"	W. H. Cheever	Frank Converse	F. D. Davis	C. O. Hoyt	S. B. Laird.
1894	"	C. T. Grawn	A. Lodeman	N. A. Richards	F. R. Hathaway	T. L. Evans.
[7]1895	"	E. C. Thompson	A. J. Murray	M. A. Whitney	C. W. McKenny	G. R. Catton.

1896	"	C. O. Hoyt	E. L. Briggs	J. A. Stewart	J. D. Schiller	H. T. Blodgett.
1897	"	Delos Fall	J. R. Miller	Mrs. L. W. Treat	W. J. McKone	E. E. Ferguson.
1898	"	J. W. Simmons	H. Z. Brock	J. H. Kaye	S. B. Laird	S. J. Gier.
1899	"	Charles McKenny	Anna Chamberlain	S. O. Hartwell	C. M. McLane	E. M. Plunkett.
1900	Grand Rapids	B. A. Hinsdale	C. H. Horn	I. B. Gilbert	W. F. Lewis	E. J. Quackenbush.
1901	" "	O. D. Thompson	D. B. Waldo	Harriet A. Marsh	J. H. Kaye	F. L. Keeler.
1902	Saginaw	C. L. Bemis	A. G. Slocum	Martha Sherwood	E. D. Palmer	O. G. Frederick.
1903	Ann Arbor	H. R. Pattengill	G. W. Sperry	Vesta B. Smith	E. D. Palmer	H. C. Lott.
1904	Lansing	S. B. Laird	A. J. Volland	F. S. Goodrich	E. D. Palmer	Ernest Burnham.
[7]1905	"	W. J. McKone	J. H. Kaye	John T. Ewing	E. D. Palmer	J. H. Harris.

[1] The Secretary has been unable to find the names of any officers but president previous to 1860.
[2] The first meeting (1852) was in October. Thereafter until 1858 there were two meetings a year, the spring or summer meeting being the annual. The semi-annual meetings were held as follows: 1853, Kalamazoo; 1854, Marshall; 1855, Jackson; 1856, Battle Creek; 1857, Ann Arbor; 1858, Jackson.
[3] In 1865 the annual meeting was changed from July to December, making two annual meetings that year. The second meeting was held at Battle Creek.
[4] As there were two elections in 1865 the dates after that correspond to years when the terms of officers expire.
[5] In 1870 there was also a special meeting in August at Grand Rapids.
[6] In 1873 there was an extra joint meeting with the Ohio association at Put-in-Bay, July 3–4.
[7] The association was 53 years old last October, and this (1905) is the 63d meeting of the association.

THE SCHOOL CENSUS.

Act No. 36 of the Public Acts of 1905 made some important changes in the school laws in regard to the time of annual school meetings, meetings of boards of school inspectors, and the taking of the school census. The provisions of the statute are briefly as follows:

Annual meeting.

The annual school meeting of all school districts except where otherwise provided by special charter shall be held on the second Monday of July. The school year commences on that date and the trustees and officers date their terms of office from that time. The annual meeting of boards of school inspectors is to be held on the first Monday of August. The director of each school district must deliver his annual report to the school inspectors on or before the said first Monday in August, and the district board between the second Monday in July and the first Monday in August must make out and deliver to the township clerk a statement of all the taxes voted by the district which are to be levied for the ensuing year.

Time for enumerating.

The school census in all districts except in cities having a population of 3,000 or over must be taken fifteen days prior to the first Monday in June and in cities having a population of 3,000 or over it must be taken during the twenty days next previous to the first Monday in June. The census and annual report of such cities must be compiled and sent direct to the Superintendent of Public Instruction before the second Monday in July.

The reasons for the changes in the law may be briefly stated: Under the old law it was found difficult to secure an accurate school census. The law provided that it should be taken during the last week in August, and at that time of year many persons were away from their homes at summer resorts, and summer resorts were crowded with people and children so that it was nearly impossible for the census enumerators to determine the exact number of children in their districts. The school meeting being held on the first Monday of September under the old law interfered with the proper opening of the schools in many cases and as a large number of districts already had their meetings on the second Monday of July it was deemed best that the law should fix a single date and that it should be the second Monday of July in all districts. While the change in the law has caused some confusion in the making of reports we are satisfied that in the main the reports this year are more accurate than ever before and the results already achieved show the wisdom of the change in the statute.

Method of enumerating.

In taking the school census the law requires a house to house canvass, the names and ages of children, the names of their parents or legal guardians, and the street or residence number, if any. Children who are five years of age may be included in the census but no child can be included who is twenty years of age. Blanks for making the annual financial reports and for taking the school census are supplied by the Department and every school district is required to report on these blanks. If the records and ac-

counts of the district have been properly kept there is no difficulty in compiling these reports.

Districts in voting taxes must vote specifically the amount of tax for each particular item for which the money may be used. It is illegal for the district board to report to the supervisor a lump sum of taxes to be levied, yet this is done in many cases and as a result it is difficult for township officers and school district officers to keep their books correctly. Greater care should be exercised by school boards in following strictly the provisions of the statute. The people should give more attention to these matters and require their representatives to obey the law and give a strict annual account of all moneys voted, received, and expended. **Financial reports.**

In some of our cities the secretary of the board has adopted the excellent plan of keeping a card index of the school census. I give below the form of the three cards which may be used. No. 1 may be filled out either by the parent or employer for the census enumerator, No. 2 is a card to be filled out by the teacher, and No. 3 is the regular card compiled from No. 1 and No. 2 and kept by the secretary of the board of education. A card index system of this kind will facilitate the work of taking the census and will prevent the possibility of errors either for or against the district. I most heartily approve of such a system of taking the census, especially for cities and villages. **Card System.**

No. 1.

Date_____

Name _____

Name of Parent or Guardian _____

Parent's Residence, No. _____ Street.

Ward _____ Age _____ Birthday _____ 1

Name of Employer _____

Remarks _____

No. 2.

Date_____

Name of Pupil _____

Name of Parent or Guardian _____

Parent's Residence, No. _____ Street.

Ward _____ Age _____ Birthday _____

Name of Teacher _____

If pupil has moved or been transferred to or from another building, indicating same

Transferred to _____

Moved to or from _____

Received by transfer from _____

No 3.

Name of child _____

Name of Parent or Guardian _____

Residence No. _____ Street.

Ward _____ Birthday _____

Year.	Age.	Year.	Age.	Year.	Age.	Year.	Age.	Year.	Age.
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....

As long as the apportionment of the primary school interest fund is based upon the school census it is absolutely necessary that the census record shall be correct, otherwise some districts will not receive the proper amount of money and others will receive more than their proper share. I believe that in another year, when the working of this new law is more thoroughly understood, we shall see the benefits of this legislation in the most accurate reports that have ever been filed.

NORMAL SCHOOL SYSTEM OF MICHIGAN.

The report of this Department for 1903 gave in full the plan adopted by the State Board of Education for the management of the State normal schools, also the courses of study adopted. The normal school system consists at this time of the Michigan State Normal College at Ypsilanti, the Central Michigan Normal School at Mt. Pleasant, the Northern State Normal School at Marquette, and the Western State Normal School at Kalamazoo.

The statute authorizes the State Superintendent of Public Instruction to appoint annually boards of visitors to the normal schools. For the year 1905 the following committees were appointed:

Michigan State Normal College:
Clarence E. Bement, Lansing.
A. J. Volland, Grand Rapids.
Edwin Denby, Detroit.

Central Michigan Normal School:
W. C. Martindale, Detroit.
J. L. Wagner, Charlotte.
E. C. Warriner, Saginaw.

Northern State Normal School:
Perry F. Powers, Cadillac.
H. E. Kratz, Calumet.
Thomas A. Conlon, Detroit.

These committees visited the institutions and made the following reports:

MICHIGAN STATE NORMAL COLLEGE.

Hon. Patrick H. Kelley,
Superintendent of Public Instruction,
Lansing, Mich.:

Dear Sir—The committee appointed by you to visit the State Normal College at Ypsilanti, have to make the following report:

The report of the physical condition of the building has been transmitted to you as made by Hon. Edw. Denby of Detroit.

Your committee was shown through the institution by President Jones, on the first day of their visit, and given a general idea of the work and conditions. Two things impressed us; one was the earnest attitude of the students toward their work and the other was the earnest attitude of the instructors toward their students. Although it would be impossible during so brief a stay to pass judgment on individuals or individual methods, it is legitimate to express our opinion in regard to the general tone of the institution. In English, in geometry, in pedagogy, and in mathematics, some of the subjects which your committee listened to, the interest seemed to be most thorough and the attitude of the class was that of close attention and desire to grasp the subject.

It would seem as though, with the kind of preparation these young people are getting in the primary subjects of education, their influence must be very powerful in the interest of thorough work in the schools of the State.

The second day your committee spent in the training school and was still more impressed with the spirit of earnestness shown by the young trial teachers and by the knowledge of their needs as shown by the training teachers.

The Department is aware of the impression some of the buildings made on your committee, through Mr. Denby's report. We wish to add further that the main building, in the matter of ventilation and dark corridors, cries aloud for something to be done. We were particularly struck with the absolute inadequacy of the library quarters. Here if anywhere, students are in the way of being directed along the paths of right reading and nothing can be more important than to bring them in contact with good books under the eyes of capable instructors. The capable instructors are there, but the facilities in the way of room and ventilation are woefully lacking. It seems to your committee as though there were no greater need in this institution than a new library building, adequate to do the necessary work from a physical standpoint, and a more liberal equipment of books to do it from a literary standpoint.

CLARENCE E. BEMENT,
A. J. VOLLAND.

Lansing, Mich., Nov. 8, 1905.

CENTRAL MICHIGAN NORMAL SCHOOL.

Detroit, Mich., Oct. 18, 1905.

Hon. P. H. Kelley,
Superintendent of Public Instruction,
Lansing, Mich.:

Dear Sir—The committee appointed to visit the state normal at Mt. Pleasant begs leave to submit herewith the following report of a visit to the institution named on May 18-19, 1905.

The three members of the committee visited the school at the same time, the faculty having known the date on which the committee were to be in the city. They were most cordially received by Principal C. T. Grawn and other teachers, and were made welcome in all of the classes and departments. The greater part of the two days was spent in inspecting the buildings, grounds, class work, and general management of the school.

Your committee visited eighteen classes, the largest having between fifteen and twenty pupils and the smallest between six and eight. Classes visited were reciting in botany, grammar, arithmetic, algebra, pedagogy, geography, reading, drawing, United States history, and manual training, and with perhaps a few exceptions, were doing good work.

At the exercises in the chapel, where those of the students who wish assemble each morning, we found the students orderly and well disciplined. The music, under the direction of Professor H. C. Maybee, was spirited and excellent. Many of the students were brought to the

present state of perfection in this branch in a comparatively short time.

The grounds are well kept, the rooms are clean and show excellent janitor service. The hall is quite dark and narrow and the laboratory is small, but these things will be remedied when the new building, for which the State so liberally made appropriation this year, is completed.

The building for the training school is certainly a model one. The rooms are light and cheerful, the furniture first class and modern, the wall decorations and pictures are pleasing. Good work is being done in training teachers for service after they leave the institution.

Your committee suggests that the work in manual training be strengthened, and that there be made a closer application of psychology to classroom work.

Respectfully submitted,
W. C. MARTINDALE,
J. L. WAGNER,
E. C. WARRINER.

NORTHERN STATE NORMAL SCHOOL.

Cadillac, Mich., Sept. 29, 1905.

Hon. P. H. Kelley,
Superintendent of Public Instruction,
Lansing, Mich.:

Dear Sir—My visit to the Northern Normal School July 5, 6, and 7, was not announced or known of in advance and I found it, therefore, following the usual routine of its summer session.

I visited a number of classes, representing several departments, and so far as possible took note of the methods of instruction utilized in each department and throughout the school. The teachers seemed to be well equipped for the work expected of them and to have it well in mind that they were giving instruction which might be reproduced in the work of their pupils in manner and method as well as through the information they were seeking to convey.

The principal of the institution, Prof. James H. Kaye, appears to have a clear conception of the service to the State the Northern Normal School was established to provide, and the energy and force of the institution as a whole is evidently directed towards the performance of this service. For the work in hand, for the accomplishment that would be expected of them, individually and as a faculty, and for the general success of the institution, the teachers at the Northern Normal School seemed to possess and exhibit an unusual degree of enthusiasm and co-operative interest. So far as I could observe and ascertain there was an entire absence of contention and division and of the jealousies which sometimes exist in public institutions.

On the part of the students there also seemed to exist a spirit of appreciation and earnest application. I was told that very little or no effort was required to maintain the satisfactory degree of discipline insisted upon, and that the aggressive loyalty so characteristic of the section of the State in which the school is located was exhibited by the students in all their relations to the institution.

The training school department of the Northern Normal appears to be in charge of a superintendent practically trained and well equipped for the definite and peculiar work of that department. The training school was not in session on the occasion of my visit to the normal but an inspection of the list of teachers who will supervise and criticise the work of the student teachers, makes it evident that preparation and especial fitness for training school work directed their selection. I am convinced that the value and importance of superior training school work are recognized by those connected with this work at the Northern Normal.

The Northern Normal School is fortunate in its location. There is an aggressive sympathy for its purpose and a willingness to assist in the attainment at Marquette which have created an atmosphere very helpful and encouraging to the school. There seems to exist throughout the entire upper peninsula a degree of faith in its management and favor for its advancement which will do much towards satisfactorily solving whatever problems touching its progress may now exist or in the future may arise.

The library contains about 12,000 volumes, most of them selected with especial reference to the needs of the students and teachers of a normal school. The library equipment and management are modern and applicable to the institution.

The grounds and buildings appeared to be well cared for, and through the use of high class engravings, photographs, statuary, and flowers, appeals to the eyes and minds of students and visitors are made at the Northern Normal, which create a favorable impression and assist in all the better purposes for which the institution was established.

Respectfully yours,
PERRY F. POWERS.

Marquette, Mich., July 29, 1905.

Hon. P. H. Kelley,
Superintendent of Public Instruction,
Lansing, Mich.:

Dear Sir—It was my pleasure to visit the Northern State Normal School July 27 and 29 and to make a careful inspection of the school on its educational side. My conclusions are based not simply on this last visit but also on knowledge gained from several earlier visits.

The total enrollment of students for the school year ending June, 1905, was three hundred fifty-six. This represented an increase of seventy-two over that of the preceding year. An increase of twenty-five per cent a year is a fine showing and demonstrates that the normal school under Principal Kaye's administration is furnishing the educational advantages which the Upper Peninsula teachers need. The present large attendance at the summer school indicates the same high appreciation, particularly because it is made up largely of teachers who have taught some years and realize the need of more rapid growth.

The rapidly increasing attendance and the need of organizing additional classes in subjects already placed in the curriculum, as well as forming classes in such new subjects as physical training, Latin, sewing

etc., will require several additional instructors to be added to the faculty immediately. Provision has been made for some of these instructors and they will soon be secured, but more instructors are still needed. Quite a number of the schools of the Upper Peninsula are already teaching sewing to the girls and simple forms of manual training to the boys which require but little apparatus or few tools. Physical training in such a severe climate is a necessity. Our teachers should be trained in the normal school to teach all these subjects and instructors should be provided for that purpose.

It is well known that the faculty of an educational institution is the most important, the most vital factor, in attaining educational efficiency. In this respect the Northern State Normal School is exceptionally fortunate. Its faculty is uniformly made up of men and women of high intellectual attainments, of broad scholarship, of exceptional teaching power, of strong and attractive personalities, and of high moral qualities. They are actuated by worthy motives, high ideals, and a deep consecration to the responsible work of teaching.

It is a delight to see them at work and to catch their spirit of genuine enthusiasm and devotion to their work. They have been able to inspire the entire student body with the same earnest, sincere, and enthusiastic spirit. A most cordial and enthusiastic spirit of co-operation permeates the entire faculty. The *esprit de corps* is remarkable and worthy of the highest commendation.

With this rapidly increasing attendance it can be readily inferred that rapid expansion in room is needed. The chapel is already overcrowded and relief must soon be had. Additional class rooms should be provided at once. Some relief will be realized when the second cloister is added, appropriation for which was made by the legislature in June. It is to be regretted, however, that nothing has been done as yet towards erecting this addition. Unless ground be broken at once the normal school will not have these much needed class rooms for expansion before another year has elapsed.

The normal school is well equipped for such a young institution in laboratories and in its library. The laboratories contain the best of apparatus and the 12,000 volumes in the library are well selected, cataloged, and utilized.

The rooms are richly furnished throughout with statuary and pictures which diffuse an inspiring and uplifting atmosphere. Not only do works of art indoors delight the eye, but the views outdoors are equally charming and inspiring. Altogether the equipment and surroundings are ideal.

Principal Kaye and his co-workers in the normal school are carefully and intelligently studying the educational needs of the Upper Peninsula. They are coming into close touch with the superintendents, principals, and teachers in this region. It is recognized that they are working in class room and practice school to so train the teachers in underlying principles and right methods, that when they enter a system of schools they can intelligently adapt themselves to the needs of that particular system.

We know that we voice the general sentiment of this region when we say that the work of Principal Kaye and his faculty is highly satis-

factory to and deeply appreciated by the people of the Upper Peninsula. The only thing that is needed to insure its further rapid growth and success is that the State legislature will give the Northern State Normal School that liberal support which its important interests deserve.

Respectfully yours,

H. E. KRATZ.

Detroit, Aug. 14, 1905.

Hon. P. H. Kelley,
Superintendent of Public Instruction,
Lansing, Mich.:

My dear Sir—In accordance with your request, I write you concerning my visit to the Northern Normal School as a member of the State examining committee.

The Northern Normal School is very pleasantly located upon a bluff, on the northern edge of the city of Marquette, the campus overlooking Lake Superior affording a beautiful view from the buildings. The grounds are undergoing many changes, and will be in the course of time very pretty.

A person is favorably impressed on entering the rooms, which are especially well lighted, roomy excepting the assembly room which is too small, and have well selected pictures upon the walls.

The laboratories are well arranged, fairly well equipped with suitable apparatus for illustrating the work and making it practical for the students; and when the new apparatus which is now arranged for is put in, the laboratories will be in first class working order.

For a new institution the school has a very excellent library of about 12,000 volumes for the use of students.

The Principal, James H. Kaye, impresses one as a man who is sincerely interested in his work, and is courteous and kind to everybody.

Mr. Kaye's many years of successful experience in superintending public schools in Michigan has fitted him for the place which he now holds and has given him a special knowledge of the requirements and needs of the public schools. Mr. Kaye is a man without fads or frills and believes in treating all departments of the school alike and the appropriation is distributed to the needs of each department, and the money furnished for the school is certainly well expended. One of the things which most impresses a person visiting the Northern Normal is the perfect harmony existing between Principal Kaye and the other members of the faculty all of whom speak in highest terms of Mr. Kaye and of the practical work which is being done by the school. For a small school and a school no older than the Northern Normal the school has a faculty of especially well prepared and trained teachers of broad scholarship who are doing most thorough, practical work, and who would be a credit to a much older and larger school. In fact, it is a well balanced faculty. The students in this school have the advantage of the training and teaching of the heads of departments which is not true in larger educational institutions, and more can be done for the student in this school in personal and individual work during the first few years than in a college or university, and the grade of work in this

school is just as good. The training school seems to be no exception to the other departments and is doing thorough, practical work and affording the children who are fortunate enough to have the privilege of attending such school opportunities which they could not get in other places, and at the same time the graduates of the school have the opportunity of seeing the teaching done by thoroughly trained critic teachers, better enabling the students to teach in a practical way. When the new addition is completed, departments in Latin and domestic science will be started which will give the students additional courses and which are necessary to the thoroughly prepared graduate.

A gymnasium will also be started when this addition is completed and this will be a means of attracting young men to attend the normal, as the ordinary young man of today is very much interested in athletics, which if carried on properly, are beneficial to the student and have a good influence upon the school.

The attendance is increasing in the Northern Normal about twenty-five per cent a year which is certainly a good indication, and the attendance at the summer school reached 265. Marquette with its many beautiful surroundings and attractions, its clear atmosphere, cool climate in summer is certainly a very desirable location for a summer normal and should have a special attraction for students and teachers in summer.

The present heating plant will be inefficient to heat the buildings when the new addition is completed, for I am informed that it is difficult now to keep all the rooms properly heated during the coldest weather. When a new heating plant is put in, it should be in a separate building and detached from the main buildings. If the dormitory, in connection with the Northern Normal, was owned by the State it would solve many perplexing questions which now confront the faculty.

The Upper Peninsula, as well as the State, should feel proud of the Northern Normal and should stand by the school loyally, giving it the support which it deserves, for the school really belongs to the Upper Peninsula, and fills a long felt want, and I believe it will be found in every way up to the requirements and high standard expected of the institution.

Yours very truly,
T. A. CONLON.

SUMMARY OF SCHOOL LEGISLATION.

1905.

The Legislature of 1905 passed eighteen general acts affecting the management of the schools of the State. Some of these are amendments to portions of the Compiled Laws not found in the general school laws but which indirectly affect the schools. Some of the acts were simply amendments to correct weaknesses in the old law and four of them are new acts.

The following is a summary of the principal features of the laws passed affecting the schools:

1. Act 148 amends act 147 of 1891 and acts amendatory thereof. In section 4812 it is amended by adding the provision that second or third grade certificates may be transferred to another county when the papers upon which they were granted are sent to said county, in the same manner as the previous law permitted the transfer of second grade certificates. Further, that in renewing certificates the applicant must have been continuously teaching in the public schools but not necessarily in the same county. Further, that a first grade certificate may be renewed in the county where issued or in the county where the holder may be teaching at the time of its expiration.

Section 4813 was amended to correspond in its terms with the previous section and provided that special certificates shall be granted only upon full examination in third grade branches and a second special may be granted the same person after a period of three years.

Section 4815 was amended in clause 5 requiring the commissioner to furnish township clerks with lists of teachers prior to the third Monday of July; in clause 7 by providing that he may examine the records of any school district when directed to do so by the State Superintendent; in clause 9 by requiring the commissioner to forward inspectors' reports to the Department before the fifteenth day of September.

Section 4817 was amended by providing that the board of supervisors may increase or diminish the commissioner's salary at any October session and that the minimum salary shall be determined by the number of schoolrooms in the county in all public schools. Further, by removing the limit for contingent expenses and providing that the traveling expenses of the commissioner may be paid by a two-thirds vote of the supervisors.

2. Act No. 20 amends the law for county normal training classes by striking out the two-year course and providing for an annual settlement with the State.

3. Act No. 24 amends the law in regard to granting kindergarten certificates by empowering the State Superintendent to grant such certificates and providing for the granting of certificates to persons who may pass an examination in music.

4. Act No. 16 amends section 4705 in regard to the one mill tax by providing that when the balance on hand in a district treasury equals or exceeds the amount paid for teachers' wages the one mill tax shall not be assessed for that year.

5. Act No. 36 amends section 4687 governing the school census by requiring it to be taken during the fifteen days prior to the first Monday in June. The same act also changes the date of the annual school meeting to the second Monday in July, and the annual meeting of the board of school inspectors to the first Monday in August.

6. Act No. 72 amends sections 4639 and 4641 specifying the powers of the State Superintendent, by giving him supervision of all county normal training classes, also the power to compel boards of education to observe the provisions of the school laws, and by giving him power to examine and inspect the records of any school district in the State and to require them to be corrected when necessary. Further, empowering

the State Superintendent to request the Governor to remove from office any commissioner of schools or examiner under certain conditions. Further, by giving him power to prepare rules and regulations for the government of school district libraries, also for the publication of a general course of study for the schools of the State.

7. Act No. 99 amends section 4811 by striking out the March examination and making the June examination a regular.

8. Act No. 75 amends section 4728 by providing that the qualified voters of any school district may designate or change a site at any annual or a special meeting and that when the question of a site is to be submitted mention of the fact must be made in the notice of the school meeting.

9. Act No. 106 amends act No. 215 of 1895 in regard to fourth class cities by providing that when any city or village incorporates under said act and the school district does not coincide with the boundaries of the established city limits, the school district will not be governed by the fourth class city act.

10. Act No. 200 repeals the old compulsory attendance law and enacts a new law. The chief changes are provisions for a deputy sheriff acting as truant officer under the direction of the commissioner of schools, said officer to act in all school districts except in incorporated cities and villages, and that children in all districts must attend school the entire school year.

11. Act No. 305 amends sections 4800 and 4801 in regard to the publishing of the annual report and statement of the board of education by requiring that said statement shall be published before the third Monday in July. This law applies to all graded school districts in the State.

12. Act No. 231 amending the fourth class city act by changing the time of the annual election of trustees from the first Tuesday in September to the second Monday in July in each year.

13. Act No. 208 amends section 4688 in regard to penalties for persons who refuse to give the necessary information in regard to a school census and also for the punishment of enumerators who fail to perform their work accurately.

14. Act No. 187 is a new statute to insure the payment of sub-contractors, laborers, and material men connected with the construction repairing, or ornamentation of public buildings and applies to the State, county, city, village, township, and school district. This act requires any one of these municipalities to require sufficient security by bond for the payment by the contractor of any sub-contractor, laborer, or material man engaged in the construction of a public building. This law in effect repeals certain sections of the Compiled Laws and presents a new law on the subject. It is of especial importance to all school districts preparing to build new schoolhouses.

15. Act No. 169 amends section 2 of act No. 147 of 1891 in regard to the election of a county commissioner of schools. The amendment is a local one applying only to Chippewa county.

16. Act No. 270 amends section 4717 of the School Laws in regard to bonding school districts by providing that the amount to be borrowed shall not exceed five per cent of the valuation of the district and in tricts having one hundred or more children in the school cens

bonded indebtedness shall not exceed $75 per capita of such census. The bill also extends the bonded indebtedness period to fifteen years.

17. Act No. 224 amends the law in regard to the establishment of day schools for the deaf. The chief amendment is in regard to providing means whereby the district which establishes such a school may be reimbursed by the State for the expenditure of money.

Second, that the title for any school appliances purchased shall vest in the State and an annual inventory thereof must be filed with the Superintendent of Public Instruction.

Third, that all persons appointed to teach in such schools shall have had special training for teaching, shall be graduates of a training school for teachers of the deaf by the oral method, shall also have had special training in the teaching of the deaf, including at least one year's experience as a teacher in a school for the deaf.

18. Act No. 236 amends section 5554 of the Compiled Laws in regard to the protection of children by providing that no minor child under seventeen years of age, or any minor who is a student in any public, private, or parochial school in the State of Michigan shall be permitted to loiter or remain in any saloon or other questionable place or in places of amusement of questionable character and providing a severe penalty for failure to observe the law by any proprietor, keeper, or manager of such an institution.

DELOS FALL.

Delos Fall was born near Ann Arbor, January 29, 1848. His early education was acquired in the district schools near his home in which schools he also obtained his first experience as a teacher. Later he attended the high school and the State University from which he was graduated with honors in 1875.

After leaving the university Mr. Fall taught several years in high schools of the State and in 1878 was called to Albion College with which institution he has since been identified. In his special departments, chemistry and sanitary science, he has become well known as a result of practical research and numerous writings. He is the author of a well known text-book in chemistry. Mr. Fall has held many public positions. He was a member of the State Board of Health for twelve years and has had much to do with the splendid work which that organization has accomplished. He has also been prominently connected with the scientific and educational associations of both State and nation. As an institute worker of the State his rank is high. His work along this line always being characterized by earnestness and enthusiasm and a knowledge of the real needs of the teachers.

Mr. Fall was elected State Superintendent of Public Instruction November 6, 1900, and served the State in this capacity for four y
During his administration and under his direction important ch
were made in the school laws. He revised the State Manual and
of Study, making valuable additions to the same, prepared and pu
an extensive Institute Outline, and a number of pamphlets bea

school questions. Among the most important were the following: *A List of Books for Public School Libraries, School Grounds and Schoolhouse Architecture, School Savings Banks, Arbor Day Program, Pioneer Day Program,* the last mentioned being the first publication of its kind in the State. Besides these pamphlets he arranged and distributed to teachers and school officers a large number of circulars touching upon various educational questions.

Mr. Fall has the honor and distinction of starting two new movements in Michigan education: First, the idea of consolidating and centralizing rural schools and on this subject several pamphlets were prepared and sent out, the same being the results of his investigations and observations along this line; the second and one of the most important movements ever inaugurated in Michigan was the securing of legislation permitting the establishment of county normal training classes. The legislation being secured, he immediately proceeded to prepare a plan of organization and course of study, advised with school boards and commissioners in regard to the work and the securing of proper teachers, and before the end of his administration he saw twenty county normal training classes established and in operation. No one can at present see the ultimate results of these far-reaching movements which were inaugurated by Mr. Fall. He gave liberally of his time, energy, and experience for four years and I am confident that his work in the Department of Public Instruction will prove him to have been one of Michigan's great educators.

Patrick H. Kelley.

Superintendent of Public Instruction.

REPORT OF

BOARD OF CONTROL

OF THE

MICHIGAN COLLEGE OF MINES.

FOR THE

FISCAL YEARS 1902-3 AND 1903-4

REPORT OF BOARD OF CONTROL.

OF

THE MICHIGAN COLLEGE OF MINES, 1902-3 and 1903-4.

This institution was established by act of the Legislature of 1885. It began the instruction of students in September, 1886. The following report therefore covers practically the seventeenth and eighteenth years of its existence.

The College was established for the purpose of training young men to take an active and efficient part in developing the mineral wealth of the State and country. During the eighteen years of its existence it has confined itself to this particular field. All of its in- **Purpose of course.** struction, all of its activity is directed toward the accomplishment of this definite purpose. An examination of the records which the College keeps of its graduates will show that it has accomplished no small amount in this direction. In the copper district of Michigan every active mine is employing its graduates and during the last five years no inconsiderable portion of the explorations for iron and copper has been under the immediate care of its graduates. Those of its alumni working outside the State are distributed through almost all important mining camps in the world. While they are outside of Michigan many of them are in charge of work which is being conducted by corporations chiefly owned by citizens of this State. It will be seen that the College is of direct pecuniary benefit not only to the mining interests whose properties are geographically included in Michigan but in a much wider way to all the mining interests of the State. **Work accomplished.**

During the two years covered by this report the institution has graduated and sent out eighty-three men, forty-two of these received their degrees in the summer of 1903 and forty-one in the summer of 1904. The latter degrees were conferred since the close of the last fiscal year. At the close of the year the total number of graduates was 244. Of these seventy were at work in Michigan. The demand for the product of the school continues good and the class graduated in the summer of 1904 are all in active work. **Graduates.**

The student register for the year 1901-2 showed a total of 197 students enrolled. The estimates for the Legislature of 1903 were made on the basis of the expenditures for the year 1901-2 and its enrollment of 197 students. During the last fiscal year the total enrollment was 238 students. It will be noted that this is an increase of twenty-one per cent for the biennium; surely a very healthy growth. **Attendance.**

The distribution of its students is a matter of interest to every friend of the institution, and should be to every citizen of the State. About one-third of them come from outside the State of Michigan. When it is remembered that the College of Mines discriminates against the non-resident student more severely than any other State institution in the country the presence of so large a number of non-resident men is worthy of remark. The fact that so many non-residents come here and pay the extra tuition demanded is a noteworthy testimony to the standing of the school outside the borders of its own State. The extent of this reputation may be inferred from the fact that the non-resident students come from twenty states and four foreign countries.

It is also noteworthy that the students from Michigan are almost equally divided between the Upper Peninsula, which is more especially devoted to mining, and the lower part of the State. Here is further evidence that the institution is of benefit to the State at large and that its usefulness is becoming widely recognized.

It may not be out of place to call attention to the character of the student body. It differs to a notable degree from that of most student bodies. The average age of students for the last college year was 22¾ years, considerably greater than that of college students in general. This is due to the presence of a considerable proportion of men who have been in active life for periods ranging from one to eight years before taking up their training in this college. Most of these men have left remunerative positions to take up the college work and naturally they regard their course as a serious matter. They have entered on it as on a business venture and they are striving for the largest possible return. Further, the non-resident students are as a rule men who are willing to pay the high tuition charged and who value the opportunities accordingly. The presence of each of these two classes of men contributes to the distinct atmosphere of seriousness of purpose which prevails almost without interruption at the College. The methods of the school permit taking advantage to the utmost of this condition. To an extent almost unknown among engineering schools each student is permitted to shape his work according to his individual capacity. Students are not classified and a flexible system is in use which may schedule for one considerably more work than for another. This system puts students in sharp competition. There is the utmost incentive for each to do his best. In consequence the students of this institution accomplish considerably more than the usual amount of work. The discipline afforded by these conditions is excellent. Few graduate without having learned to work to their fullest capacity. Among so large a number there are always a few who are unwilling to do their best and occasionally one of these makes trouble. However, the percentage is small, and there is no doubt that the methods are working to the great advantage and satisfaction of the large body of men of serious purpose who are in the institution to get the most possible benefit from its opportunities. It is believed that no small part of the recognition which has come to the College of Mines in recent years has been due to the su[illegible]f these methods.

Character of student body.

This recognition has been evidenced by the wide range from which students have come to its doors as has already been mentioned. It is expressed further in the attitude of other schools of engineering, members of which have taken increasing interest in the methods in force and results obtained at the College of Mines. That the College has a satisfactory standing among other institutions of like kind in the country is shown by the recent action of the Society for Promotion of Engineering Education. This is a national society composed of engineering educators and practicing engineers who are interested in engineering education. At its 1904 session at the St. Louis Exposition this association conferred the honor of its presidency upon the president of the College of Mines, and by so doing gave this institution a permanent place in the council which directs the affairs of the society.

Standing of college.

The work done by the members of the College staff has had another gratifying recognition through an international geological commission, composed of men from the United States Geological Survey and from the Geological Survey of Canada, which was charged during the season of 1904 with the duty of settling, if possible, contested points in the stratigraphy of the vast and complicated region surrounding the Great Lakes. It is gratifying to this board and to everyone interested in the success and prestige of the College of Mines to know that this commission invited A. E. Seaman, professor of geology, to accompany it and to explain in the field his discoveries and conclusions regarding the stratigraphy of the Marquette district, and, further, to set forth his view of what, in the light thrown by the facts of the Marquette district, should be the correlation of the strata of the other districts of the lake region, both American and Canadian. A number of the districts were visited and it is with pleasure that this board learns that the report of the joint commission will follow his interpretation as being the correct solution of the main questions in doubt.

Work of Prof. Seaman.

An innovation in the matter of the college exercises was introduced during the last year. The annual commencement exercises had not been considered wholly successful, partly because of the shortness of the recess between the close of one year and the opening of the next succeeding one. This time is so short that most students leave the College at the earliest possible moment after finishing the work of the school year. Futhermore, for a number of years so many of the graduates have left before the close of the summer term to take positions that only a portion of the class could have the benefit of the commencement exercises. Instead of them there was substituted for the year 1903-4 a class day, the exercises of which were participated in by the entire student body. The chief event was the address to the class of graduates, which was delivered by Dr. James Douglas, president of the Copper Queen Mining Co. The occasion was eminently successful and it is believed that the College derived more benefit from it than from the usual commencement.

The Legislature of 1903 provided for the erection of a building for metallurgical instruction. The board proceeded carefully in the final

Metallurgical building

designing and erection of this building and at the writing of this report it is being completed. It will go into commission with the beginning of the winter term of the current year. It is believed that the board has secured a building which represents an unusual amount of space and unusually good facilities for the expenditure made in erecting it.

At the beginning of the school year 1903-4 a separate department of metallurgy and ore dressing was established, a professor appointed, and with the beginning of the year 1904-5 courses are being offered which before it had been impossible to give our students opportunity to take. It is confidently hoped that the College may soon take rank in this line comparable with that which it now holds in the remainder of the field of mining.

Provision was made by the last Legislature for the fitting up of a geological museum on the third floor of Hubbell Hall. This work has progressed almost to completion, very much to the benefit of our instruction in geology, as well as to the satisfaction of visiting citizens who are interested in the mineral resources of the State and nation.

Power plant.

The most pressing need of the College at present exists because of the fact that the addition of buildings equipped with modern ventilating apparatus and requiring a large amount of light, heat, and power has placed a load on our central heating and power plant which is considerably beyond its capacity. Notwithstanding extensive repairs during the winter of 1903-4 there were times when the plant had to be run at nearly double its nominal capacity. That winter was a severe one and while the plant was thus overloaded the slightest mismanagement or a small accident would have stopped the operation of the institution, inasmuch as we have no reserve whatever. In preparation for the coming winter it has been possible to replace a tubular boiler with a water tube boiler of greater capacity and notwithstanding the addition of the metallurgical building the overload is expected to be less during the coming winter than it was during the winter of 1903-4. We shall still have to run during the coldest weather at above the rated capacity of the plant. As is well known this overloading rapidly deteriorates both boilers and machinery and neither works as efficiently and economically under heavy overload as when running somewhere near its normal capacity. Further, we shall have no reserve and an accident will mean closing down until the repair can be effected. It is hoped that no accidents will occur but the unwisdom of permitting such conditions to continue longer than is absolutely necessary is self evident.

There is no room to increase the power plant in the wing of the mechanical engineering building, where it is now located. This fact, as well as others noted further on, points to the desirability of a separate heating and power plant which should be located on the shore of Portage Lake, and while possessing a sufficient capacity to take care of present needs it should be so constructed as to permit of enlargement without change of design and with minimum cost. Such a location would decrease the danger from fire or other accidents confining them wholly to the power plant itself. Furthermore, located on the shore the lake it would be possible to serve the plant much more economi- y than can be done in its present location. It is estimated that

with our present consumption of fuel the coal alone delivered directly from the railway tracks would cost from $700 to $1,000 per annum less than it costs now when a long haul by teams is necessary.

The estimate for this building of simple but substantial brick construction and for the necessary boilers, engines, and dynamos, also for a concrete tunnel carrying pipe lines and wires to distribute the power to our various buildings, is $43,800. The Board of Control wishes to make it clear that it is imperatively necessary that the heating and power plant shall be enlarged if the institution is to use all its space and take care of its students.

In its report two years ago this board drew attention to the imminent need of more land on which to conduct the College operations. A glance at the map of the property owned by the institution will make this need apparent. Every foot of available ground is occupied by buildings, and even the slope which connects the metallurgy building with the lake will be occupied by the ore storage and furnace work of this department. Additional needs.

Two very desirable tracts of land adjoining the present campus seem to be available at the present time and negotiations are under way looking to the obtaining of suitable options on both. If these are obtained the Legislature will be asked to make sufficient appropriation for their purchase and thus set at rest for an indefinite time the matter of room for the institution. It is of the utmost importance to accomplish this while there is opportunity to purchase ground at a reasonable price and before any property owner who might be so disposed has an opportunity to try to hold up the State and thus force condemnation proceedings with attendant expense and high price.

The present shed for storage of lumber, tools, etc., is too old and dilapidated to be worth repair. A new and somewhat larger shed with corrugated iron roofing and sides is immediately necessary. It will cost $1,500.

Two years ago attention was drawn to the need of concrete walks on the college grounds. The necessity becomes more imperative with the lapse of time. The request for $4,180 needed for this purpose will be repeated to the incoming Legislature.

A tabulation of the needs in the way of extensions for which the incoming Legislature will be asked to provide is appended.

ADDITIONAL BUILDING AND EQUIPMENT NEEDS.

Separate central heating and power plant	$43,800 00
Storage shed	1,500 00
Walks and roads	4,180 00
Additional land	.....
Total	$49,480 00

In two previous reports the board has pointed out that the cost per student per year to the State of Michigan is being gradually lessened. In its report for the fiscal years ending June 30, 1899, and June 30, 1900, attention was drawn to the fact that the average cost per student per year for the preceding four years had been $344.96. For years preceding the last report of this board the cost was $39

the average cost for the *eight* years preceding the present report is $270.16. When this cost to the State of Michigan is compared with state and government aid to other like institutions throughout the country it will be seen that the College of Mines is giving its instruction with a high degree of economy.

In his report for the year 1900 Auditor General Dix drew attention to the fact that the true way to arrive at the cost of an institution to the State is to deduct the amount of its inventory from the total of appropriations which have been made for construction, equipment and maintenance. Proceeding in this way it appears that the net cost per student per year for the entire existence of the College down to June 30th last is $262.67. It will be noted that this is almost exactly the apparent cost for the last eight years. With increase in numbers this cost may be expected to grow somewhat less, although it compares very favorably now with that of much larger institutions, many of which give courses in preparatory work and many of which have women students pursuing courses in domestic science, etc., all of which are far less expensive to conduct than are courses in mining engineering.

The following table sets forth the needs of the institution for maintenance for the next two fiscal years. These are compared item by item with the corresponding disbursements of the last fiscal year.

CURRENT EXPENSE ESTIMATE FOR YEARS 1905-6 AND 1906-7 COMPARED WITH EXPENDITURES FOR YEAR 1903-4.

Accounts	Expenditures for last fiscal year.	Needs for fiscal year.	
	1903-4.	1905-6.	1906-7.
Administration	$518 25	$600 00	$600 00
Chemistry	1,973 39	2,000 00	2,000 00
Civil engineering	1,103 16	1,200 00	1,200 00
Sundry expense	611 80	600 00	600 00
Electrical engineering		100 00	100 00
Freight, etc	1,805 92	1,900 00	1,900 00
Geology	1,222 65	1,300 00	1,300 00
Grounds	1,223 73	1,300 00	1,300 00
Heating and lighting	6,459 91	6,200 00	6,200 00
Library	3,236 99	3,300 00	3,300 00
Mathematics	177 06	200 00	200 00
Mechanical engineering	2,072 92	2,200 00	2,200 00
Metallurgy	512 13	950 00	950 00
Mineralogy	511 75	650 00	650 00
Mining engineering	2,011 73	2,100 00	2,100 00
Ore dressing	308 89	600 00	600 00
Printing	1,797 45	2,000 00	2,000 00
Physics	622 37	1,000 00	1,000 00
Repairs	513 82	1,500 00	1,500 00
Salaries	46,973 01	48,500 00	48,500 00
Supplies	2,064 74	2,100 00	2,100 00
Students' supplies	10,750 36	11,000 00	11,000 00
Total expenditures	$86,472 03		
Total needs		$91,300 00	$91,300 00
Deduct probable receipts		31,000 00	31,000 00
Appropriation needed		60,300 00	60,300 00

The amount asked for shows a slight increase over the amount asked for two years ago but it should be noted that while this is less than ten per cent the actual increase in students which must be cared for is twenty-one per cent.

Mention was made in the previous report of this board of the inauguration of a movement among the students and staff of the College, the Board of Control, and friends of the institution, to provide it with a gymnasium and club house for its students. Attention was drawn to the great need of such a structure and the hope was expressed that the friends of the institution would lend moral and financial support to the movement. About $31,000 was subscribed for this purpose and in the spring of 1904 the erection of the building was begun. This building had been carefully planned, taking the best thought of the faculty, Board of Control, students, and architects and it is believed it is unusually well fitted to serve its dual purpose of gymnasium and club house. It is not yet completed, nor can it be until the summer of 1905 and until the friends of the institution can contribute somewhat further to this end. The building, finished and equipped, will be, it is believed, a potent influence toward bettering the physical and moral manhood of the students who come to the Michigan College of Mines.

Club and gymnasium.

In its last report the board referred to the attention it had been giving to the matter of keeping the accounts of the College and further set forth the fact that it had ordered an independent audit of the accounts of the institution, an audit which would include the books and accounts of every officer having to do with funds belonging to it. It was further stated that the board intended to have such an audit made at short intervals in order that there could be no question whatever of the business-like conduct of the affairs of this college.

Audit of accounts.

After the above independent audit had been made it transpired that there is a law on the statute books which requires all auditing of any sort to be done through the Auditor's office at Lansing. In compliance therewith this board in the spring of 1904 requested that the State Accountant be sent to the College to make such a complete audit of its affairs, to cover the period from the previous audit down to the close of the last fiscal year. Mr. Henry Humphrey, State Accountant, made such an examination during the months of July and August, 1904, a copy of which is on file in the Auditor's office. The conclusions of the report with regard to the conduct of the college business are sufficiently indicated by the following extract: "I congratulate you upon the fact that there is not the slightest trace of anything but the most scrupulous integrity in the work entrusted to the financial officers you have selected."

It is believed by this board that all college accounts are now being kept in a thoroughly business-like way suited to the present size and development of the institution and it is still the intention to have a thorough audit of the college business at the close of each biennium.

In conclusion this board wishes to solicit the interest and support of the people of the State of Michigan stitution under its care and which it believes is accomplis worthy of such in-

terest and support. It earnestly hopes that the incoming Legislature will make provision for the immediate needs of the College, the most pressing of which are discussed in this report. These must be met if the institution is to maintain its present efficiency.

The above report was adopted at meeting of Board of Control of the Michigan College of Mines held December 2, 1904.

WILLIAM KELLY, President,
F. W. McNAIR, Secretary.

SUPREME COURT DECISIONS

IN MATTERS OF

EDUCATIONAL INTEREST

13

DECISIONS OF THE SUPREME COURT.

ANDREAS vs. SCHOOL DISTRICT NO. 4.

(Opinion filed Oct. 18, 1904.)

ACTION—SET OFF—SPLITTING—CAUSE OF ACTION.

Plaintiff contracted to build a schoolhouse for defendant and after plaintiff completed the building there was $150 of the contract price unpaid. Defendant alleged that plaintiff had not performed his contract, refused to pay the balance and brought action in justice court against plaintiff and his sureties on the bond given to secure performance of the contract. Plaintiff pleaded the general issue and gave notice of set off of $170. On the trial plaintiff withdrew $70 of the set off and defendant recovered judgment of $100. In an action by plaintiff to recover the balance withdrawn in the first case.

Held: 1. That the plaintiff's cause of action was indivisible and could not be split.

2. That the right of set off existed as the action was against plaintiff and his co-defendant as sureties.

3. That an erroneous ruling does not lessen the effect of a judgment.

Hartwick & Skeels for plaintiff and appellee.

F. E. Wetmore and Wallace Foote for defendant and appellant.

CARPENTER, J.

This case arises out of a contract whereby plaintiff agreed to build a schoolhouse for defendant. After plaintiff had completed the building, and when there was $150 of the contract price unpaid, defendant's building committee, alleging that plaintiff had not performed his contract, refused to pay the balance. The school district then brought an action in justice court against Andreas, plaintiff herein, and his sureties, on a bond conditioned on the faithful performance of his contract. The defendants therein pleaded the general issue and gave notice of a set off due plaintiff, amounting to $170. This $170 consisted of the $150 balance unpaid on the contract and several items for extras, aggregating $20.

The trial took place before a jury, and after the evidence and arguments were concluded, defendants "moved to withdraw $70 of their bill of set off from the consideration of the jury." Plaintiff objected "to the withdrawal of any part of defendant's set off at this time unless they specified items." No items were specified. Defendants recovered a verdict and judgment of $100, which the plaintiff subsequently paid.

This suit is brought to recover the balance withdrawn in the first case, as above stated. It was commenced in justice court, where the plaintiff recovered a judgment. It was appealed to the circuit court and on the trial in that court defendant insisted that the principle which prevents a party splitting up an indivisible cause of action constituted a defense. The trial judge denied the application of this principle, and plaintiff obtained a verdict and judgment. Was this decision correct?

It is unnecessary to determine in this case whether or not plaintiff had the right to withdraw from the consideration of the first jury his items for extras. He did not indicate and he refused to indicate his intention to withdraw those items. His intent was to withdraw a balance of $70, of which at least $50 was

The distribution of its students is a matter of interest to every friend of the institution, and should be to every citizen of the State. About one-third of them come from outside the State of Michigan. When it is remembered that the College of Mines discriminates against the non-resident student more severely than any other State institution in the country the presence of so large a number of non-resident men is worthy of remark. The fact that so many non-residents come here and pay the extra tuition demanded is a noteworthy testimony to the standing of the school outside the borders of its own State. The extent of this reputation may be inferred from the fact that the non-resident students come from twenty states and four foreign countries.

It is also noteworthy that the students from Michigan are almost equally divided between the Upper Peninsula, which is more especially devoted to mining, and the lower part of the State. Here is further evidence that the institution is of benefit to the State at large and that its usefulness is becoming widely recognized.

It may not be out of place to call attention to the character of the student body. It differs to a notable degree from that of most student bodies. The average age of students for the last college year was 22¾ years, considerably greater than that of college students in general. This is due to the presence of a considerable proportion of men who have been in active life for periods ranging from one to eight years before taking up their training in this college. Most of these men have left remunerative positions to take up the college work and naturally they regard their course as a serious matter. They have entered on it as on a business venture and they are striving for the largest possible return. Further, the non-resident students are as a rule men who are willing to pay the high tuition charged and who value the opportunities accordingly. The presence of each of these two classes of men contributes to the distinct atmosphere of seriousness of purpose which prevails almost without interruption at the College. The methods of the school permit taking advantage to the utmost of this condition. To an extent almost unknown among engineering schools each student is permitted to shape his work according to his individual capacity. Students are not classified and a flexible system is in use which may schedule for one considerably more work than for another. This system puts students in sharp competition. There is the utmost incentive for each to do his best. In consequence the students of this institution accomplish considerably more than the usual amount of work. The discipline afforded by these conditions is excellent. Few graduate without having learned to work to their fullest capacity. Among so large a number there are always a few who are unwilling to do their best and occasionally one of these makes trouble. However, the percentage is small, and there is no doubt that the methods are working to the great advantage and satisfaction of the large body of men of serious purpose who are in the institution to get the most possible benefit from its opportunities. It is believed that no small part of the recognition which has come to the College of Mines in recent years has been due to the success of these methods.

Character of student body.

This recognition has been evidenced by the wide range from which students have come to its doors as has already been mentioned. It is expressed further in the attitude of other schools of engineering, members of which have taken increasing interest in the methods in force and results obtained at the College of Mines. That the College has a satisfactory standing among other institutions of like kind in the country is shown by the recent action of the Society for Promotion of Engineering Education. This is a national society composed of engineering educators and practicing engineers who are interested in engineering education. At its 1904 session at the St. Louis Exposition this association conferred the honor of its presidency upon the president of the College of Mines, and by so doing gave this institution a permanent place in the council which directs the affairs of the society.

Standing of college.

The work done by the members of the College staff has had another gratifying recognition through an international geological commission, composed of men from the United States Geological Survey and from the Geological Survey of Canada, which was charged during the season of 1904 with the duty of settling, if possible, contested points in the stratigraphy of the vast and complicated region surrounding the Great Lakes. It is gratifying to this board and to everyone interested in the success and prestige of the College of Mines to know that this commission invited A. E. Seaman, professor of geology, to accompany it and to explain in the field his discoveries and conclusions regarding the stratigraphy of the Marquette district, and, further, to set forth his view of what, in the light thrown by the facts of the Marquette district, should be the correlation of the strata of the other districts of the lake region, both American and Canadian. A number of the districts were visited and it is with pleasure that this board learns that the report of the joint commission will follow his interpretation as being the correct solution of the main questions in doubt.

Work of Prof. Seaman.

An innovation in the matter of the college exercises was introduced during the last year. The annual commencement exercises had not been considered wholly successful, partly because of the shortness of the recess between the close of one year and the opening of the next succeeding one. This time is so short that most students leave the College at the earliest possible moment after finishing the work of the school year. Futhermore, for a number of years so many of the graduates have left before the close of the summer term to take positions that only a portion of the class could have the benefit of the commencement exercises. Instead of them there was substituted for the year 1903-4 a class day, the exercises of which were participated in by the entire student body. The chief event was the address to the class of graduates, which was delivered by Dr. James Douglas, president of the Copper Queen Mining Co. The occasion was eminently successful, and it is believed that the College derived more benefit from it than from the usual commencement.

The Legislature of 1903 provided for the erection of a building for metallurgical instruction. The board proceeded carefully in the

Metallurgical building

designing and erection of this building and at the writing of this report it is being completed. It will go into commission with the beginning of the winter term of the current year. It is believed that the board has secured a building which represents an unusual amount of space and unusually good facilities for the expenditure made in erecting it.

At the beginning of the school year 1903-4 a separate department of metallurgy and ore dressing was established, a professor appointed, and with the beginning of the year 1904-5 courses are being offered which before it had been impossible to give our students opportunity to take. It is confidently hoped that the College may soon take rank in this line comparable with that which it now holds in the remainder of the field of mining.

Provision was made by the last Legislature for the fitting up of a geological museum on the third floor of Hubbell Hall. This work has progressed almost to completion, very much to the benefit of our instruction in geology, as well as to the satisfaction of visiting citizens who are interested in the mineral resources of the State and nation.

Power plant.

The most pressing need of the College at present exists because of the fact that the addition of buildings equipped with modern ventilating apparatus and requiring a large amount of light, heat, and power has placed a load on our central heating and power plant which is considerably beyond its capacity. Notwithstanding extensive repairs during the winter of 1903-4 there were times when the plant had to be run at nearly double its nominal capacity. That winter was a severe one and while the plant was thus overloaded the slightest mismanagement or a small accident would have stopped the operation of the institution, inasmuch as we have no reserve whatever. In preparation for the coming winter it has been possible to replace a tubular boiler with a water tube boiler of greater capacity and notwithstanding the addition of the metallurgical building the overload is expected to be less during the coming winter than it was during the winter of 1903-4. We shall still have to run during the coldest weather at above the rated capacity of the plant. As is well known this overloading rapidly deteriorates both boilers and machinery and neither works as efficiently and economically under heavy overload as when running somewhere near its normal capacity. Further, we shall have no reserve and an accident will mean closing down until the repair can be effected. It is hoped that no accidents will occur but the unwisdom of permitting such conditions to continue longer than is absolutely necessary is self evident.

There is no room to increase the power plant in the wing of the mechanical engineering building, where it is now located. This fact, as well as others noted further on, points to the desirability of a separate heating and power plant which should be located on the shore of Portage Lake, and while possessing a sufficient capacity to take care of present needs it should be so constructed as to permit of enlargement without change of design and with minimum cost. Such a location would decrease the danger from fire or other accidents confining them wholly to the power plant itself. Furthermore, located on the shore of the lake it would be possible to serve the plant much m omically than can be done in its present location. It is es' 'iat

with our present consumption of fuel the coal alone delivered directly from the railway tracks would cost from $700 to $1,000 per annum less than it costs now when a long haul by teams is necessary.

The estimate for this building of simple but substantial brick construction and for the necessary boilers, engines, and dynamos, also for a concrete tunnel carrying pipe lines and wires to distribute the power to our various buildings, is $43,800. The Board of Control wishes to make it clear that it is imperatively necessary that the heating and power plant shall be enlarged if the institution is to use all its space and take care of its students.

In its report two years ago this board drew attention to the imminent need of more land on which to conduct the College operations. A glance at the map of the property owned by the institution will make this need apparent. Every foot of available ground is occupied by buildings, and even the slope which connects the metallurgy building with the lake will be occupied by the ore storage and furnace work of this department. Additional needs.

Two very desirable tracts of land adjoining the present campus seem to be available at the present time and negotiations are under way looking to the obtaining of suitable options on both. If these are obtained the Legislature will be asked to make sufficient appropriation for their purchase and thus set at rest for an indefinite time the matter of room for the institution. It is of the utmost importance to accomplish this while there is opportunity to purchase ground at a reasonable price and before any property owner who might be so disposed has an opportunity to try to hold up the State and thus force condemnation proceedings with attendant expense and high price.

The present shed for storage of lumber, tools, etc., is too old and dilapidated to be worth repair. A new and somewhat larger shed with corrugated iron roofing and sides is immediately necessary. It will cost $1,500.

Two years ago attention was drawn to the need of concrete walks on the college grounds. The necessity becomes more imperative with the lapse of time. The request for $4,180 needed for this purpose will be repeated to the incoming Legislature.

A tabulation of the needs in the way of extensions for which the incoming Legislature will be asked to provide is appended.

ADDITIONAL BUILDING AND EQUIPMENT NEEDS.

Separate central heating and power plant	$43,800 00
Storage shed	1,500 00
Walks and roads	4,180 00
Additional land	.....
Total	$49,480 00

In two previous reports the board has pointed out that the cost per student per year to the State of Michigan is being gradually lessened. In its report for the fiscal years ending June 30, 1899, and June 30, 1900, attention was drawn to the fact that the average cost per student per year for the preceding four years had been $344.96. For the *six* years preceding the last report of this board the cost was $300.12, while

the average cost for the *eight* years preceding the present report is $270.16. When this cost to the State of Michigan is compared with state and government aid to other like institutions throughout the country it will be seen that the College of Mines is giving its instruction with a high degree of economy.

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Club and gymnasium.

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In conclusion this board wishes to solicit the interest and support of the people of the State of Michigan for the institution under its care and which it believes is accomplishing a work worthy of such in-

bonded indebtedness shall not exceed $75 per capita of such census. The bill also extends the bonded indebtedness period to fifteen years.

17. Act No. 224 amends the law in regard to the establishment of day schools for the deaf. The chief amendment is in regard to providing means whereby the district which establishes such a school may be reimbursed by the State for the expenditure of money.

Second, that the title for any school appliances purchased shall vest in the State and an annual inventory thereof must be filed with the Superintendent of Public Instruction.

Third, that all persons appointed to teach in such schools shall have had special training for teaching, shall be graduates of a training school for teachers of the deaf by the oral method, shall also have had special training in the teaching of the deaf, including at least one year's experience as a teacher in a school for the deaf.

18. Act No. 236 amends section 5554 of the Compiled Laws in regard to the protection of children by providing that no minor child under seventeen years of age, or any minor who is a student in any public, private, or parochial school in the State of Michigan shall be permitted to loiter or remain in any saloon or other questionable place or in places of amusement of questionable character and providing a severe penalty for failure to observe the law by any proprietor, keeper, or manager of such an institution.

DELOS FALL.

Delos Fall was born near Ann Arbor, January 29, 1848. His early education was acquired in the district schools near his home in which schools he also obtained his first experience as a teacher. Later he attended the high school and the State University from which he was graduated with honors in 1875.

After leaving the university Mr. Fall taught several years in high schools of the State and in 1878 was called to Albion College with which institution he has since been identified. In his special departments, chemistry and sanitary science, he has become well known as a result of practical research and numerous writings. He is the author of a well known text-book in chemistry. Mr. Fall has held many public positions. He was a member of the State Board of Health for twelve years and has had much to do with the splendid work which that organization has accomplished. He has also been prominently connected with the scientific and educational associations of both State and nation. As an institute worker of the State his rank is high. His work along this line always being characterized by earnestness and enthusiasm and a knowledge of the real needs of the teachers.

Mr. Fall was elected State Superintendent of Public Instruction November 6, 1900, and served the State in this capacity for four years. During his administration and under his direction important changes were made in the school laws. He revised the State Manual and Course of Study, making valuable additions to the same, prepared and published an extensive Institute Outline, and a number of pamphlets bearing on

school questions. Among the most important were the following: *A List of Books for Public School Libraries, School Grounds and Schoolhouse Architecture, School Savings Banks, Arbor Day Program, Pioneer Day Program,* the last mentioned being the first publication of its kind in the State. Besides these pamphlets he arranged and distributed to teachers and school officers a large number of circulars touching upon various educational questions.

Mr. Fall has the honor and distinction of starting two new movements in Michigan education: First, the idea of consolidating and centralizing rural schools and on this subject several pamphlets were prepared and sent out, the same being the results of his investigations and observations along this line; the second and one of the most important movements ever inaugurated in Michigan was the securing of legislation permitting the establishment of county normal training classes. The legislation being secured, he immediately proceeded to prepare a plan of organization and course of study, advised with school boards and commissioners in regard to the work and the securing of proper teachers, and before the end of his administration he saw twenty county normal training classes established and in operation. No one can at present see the ultimate results of these far-reaching movements which were inaugurated by Mr. Fall. He gave liberally of his time, energy, and experience for four years and I am confident that his work in the Department of Public Instruction will prove him to have been one of Michigan's great educators.

Patrick H. Kelley.

Superintendent of Public Instruction.

REPORT OF

BOARD OF CONTROL

OF THE

MICHIGAN COLLEGE OF MINES.

FOR THE

FISCAL YEARS 1902-3 AND 1903-4

REPORT OF BOARD OF CONTROL.

OF

THE MICHIGAN COLLEGE OF MINES, 1902-3 and 1903-4.

This institution was established by act of the Legislature of 1885. It began the instruction of students in September, 1886. The following report therefore covers practically the seventeenth and eighteenth years of its existence.

The College was established for the purpose of training young men to take an active and efficient part in developing the mineral wealth of the State and country. During the eighteen years of its existence it has confined itself to this particular field. All of its instruction, all of its activity is directed toward the accomplishment of this definite purpose. An examination of the records which the College keeps of its graduates will show that it has accomplished no small amount in this direction. In the copper district of Michigan every active mine is employing its graduates and during the last five years no inconsiderable portion of the explorations for iron and copper has been under the immediate care of its graduates. Those of its alumni working outside the State are distributed through almost all important mining camps in the world. While they are outside of Michigan many of them are in charge of work which is being conducted by corporations chiefly owned by citizens of this State. It will be seen that the College is of direct pecuniary benefit not only to the mining interests whose properties are geographically included in Michigan but in a much wider way to all the mining interests of the State.

Purpose of course.

Work accomplished.

During the two years covered by this report the institution has graduated and sent out eighty-three men, forty-two of these received their degrees in the summer of 1903 and forty-one in the summer of 1904. The latter degrees were conferred since the close of the last fiscal year. At the close of the year the total number of graduates was 244. Of these seventy were at work in Michigan. The demand for the product of the school continues good and the class graduated in the summer of 1904 are all in active work.

Graduates.

The student register for the year 1901-2 showed a total of 197 students enrolled. The estimates for the Legislature of 1903 were made on the basis of the expenditures for the year 1901-2 and its enrollment of 197 students. During the last fiscal year the total enrollment was 238 students. It will be noted that this is an increase of twenty-one per cent for the biennium; surely a very healthy growth.

Attendance.

The distribution of its students is a matter of interest to every friend of the institution, and should be to every citizen of the State. About one-third of them come from outside the State of Michigan. When it is remembered that the College of Mines discriminates against the non-resident student more severely than any other State institution in the country the presence of so large a number of non-resident men is worthy of remark. The fact that so many non-residents come here and pay the extra tuition demanded is a noteworthy testimony to the standing of the school outside the borders of its own State. The extent of this reputation may be inferred from the fact that the non-resident students come from twenty states and four foreign countries.

It is also noteworthy that the students from Michigan are almost equally divided between the Upper Peninsula, which is more especially devoted to mining, and the lower part of the State. Here is further evidence that the institution is of benefit to the State at large and that its usefulness is becoming widely recognized.

It may not be out of place to call attention to the character of the student body. It differs to a notable degree from that of most student bodies. The average age of students for the last college year was 22¾ years, considerably greater than that of college students in general. This is due to the presence of a considerable proportion of men who have been in active life for periods ranging from one to eight years before taking up their training in this college. Most of these men have left remunerative positions to take up the college work and naturally they regard their course as a serious matter. They have entered on it as on a business venture and they are striving for the largest possible return. Further, the non-resident students are as a rule men who are willing to pay the high tuition charged and who value the opportunities accordingly. The presence of each of these two classes of men contributes to the distinct atmosphere of seriousness of purpose which prevails almost without interruption at the College. The methods of the school permit taking advantage to the utmost of this condition. To an extent almost unknown among engineering schools each student is permitted to shape his work according to his individual capacity. Students are not classified and a flexible system is in use which may schedule for one considerably more work than for another. This system puts students in sharp competition. There is the utmost incentive for each to do his best. In consequence the students of this institution accomplish considerably more than the usual amount of work. The discipline afforded by these conditions is excellent. Few graduate without having learned to work to their fullest capacity. Among so large a number there are always a few who are unwilling to do their best and occasionally one of these makes trouble. However, the percentage is small, and there is no doubt that the methods are working to the great advantage and satisfaction of the large body of men of serious purpose who are in the institution to get the most possible benefit from its opportunities. It is believed that no small part of the recognition which has come to the College of Mines in recent years has been due to the success of these methods.

Character of student body.

This recognition has been evidenced by the wide range from which students have come to its doors as has already been mentioned. It is expressed further in the attitude of other schools of engineering, members of which have taken increasing interest in the methods in force and results obtained at the College of Mines. That the College has a satisfactory standing among other institutions of like kind in the country is shown by the recent action of the Society for Promotion of Engineering Education. This is a national society composed of engineering educators and practicing engineers who are interested in engineering education. At its 1904 session at the St. Louis Exposition this association conferred the honor of its presidency upon the president of the College of Mines, and by so doing gave this institution a permanent place in the council which directs the affairs of the society.

Standing of college.

The work done by the members of the College staff has had another gratifying recognition through an international geological commission, composed of men from the United States Geological Survey and from the Geological Survey of Canada, which was charged during the season of 1904 with the duty of settling, if possible, contested points in the stratigraphy of the vast and complicated region surrounding the Great Lakes. It is gratifying to this board and to everyone interested in the success and prestige of the College of Mines to know that this commission invited A. E. Seaman, professor of geology, to accompany it and to explain in the field his discoveries and conclusions regarding the stratigraphy of the Marquette district, and, further, to set forth his view of what, in the light thrown by the facts of the Marquette district, should be the correlation of the strata of the other districts of the lake region, both American and Canadian. A number of the districts were visited and it is with pleasure that this board learns that the report of the joint commission will follow his interpretation as being the correct solution of the main questions in doubt.

Work of Prof. Seaman.

An innovation in the matter of the college exercises was introduced during the last year. The annual commencement exercises had not been considered wholly successful, partly because of the shortness of the recess between the close of one year and the opening of the next succeeding one. This time is so short that most students leave the College at the earliest possible moment after finishing the work of the school year. Futhermore, for a number of years so many of the graduates have left before the close of the summer term to take positions that only a portion of the class could have the benefit of the commencement exercises. Instead of them there was substituted for the year 1903-4 a class day, the exercises of which were participated in by the entire student body. The chief event was the address to the class of graduates, which was delivered by Dr. James Douglas, president of the Copper Queen Mining Co. The occasion was eminently successful and it is believed that the College derived more benefit from it than from the usual commencement.

The Legislature of 1903 provided for the erection of a building for metallurgical instruction. The board proceeded carefully in the final

Metallurgical building

designing and erection of this building and at the writing of this report it is being completed. It will go into commission with the beginning of the winter term of the current year. It is believed that the board has secured a building which represents an unusual amount of space and unusually good facilities for the expenditure made in erecting it.

At the beginning of the school year 1903-4 a separate department of metallurgy and ore dressing was established, a professor appointed, and with the beginning of the year 1904-5 courses are being offered which before it had been impossible to give our students opportunity to take. It is confidently hoped that the College may soon take rank in this line comparable with that which it now holds in the remainder of the field of mining.

Provision was made by the last Legislature for the fitting up of a geological museum on the third floor of Hubbell Hall. This work has progressed almost to completion, very much to the benefit of our instruction in geology, as well as to the satisfaction of visiting citizens who are interested in the mineral resources of the State and nation.

The most pressing need of the College at present exists because of the fact that the addition of buildings equipped with modern ventilating apparatus and requiring a large amount of light, heat, and power has placed a load on our central heating and power plant which is considerably beyond its capacity. Notwithstanding extensive repairs during the winter of 1903-4 there were times when the plant had to be run at nearly double its nominal capacity. That winter was a severe one and while the plant was thus overloaded the slightest mismanagement or a small accident would have stopped the operation of the institution, inasmuch as we have no reserve whatever. In preparation for the coming winter it has been possible to replace a tubular boiler with a water tube boiler of greater capacity and notwithstanding the addition of the metallurgical building the overload is expected to be less during the coming winter than it was during the winter of 1903-4. We shall still have to run during the coldest weather at above the rated capacity of the plant. As is well known this overloading rapidly deteriorates both boilers and machinery and neither works as efficiently and economically under heavy overload as when running somewhere near its normal capacity. Further, we shall have no reserve and an accident will mean closing down until the repair can be effected. It is hoped that no accidents will occur but the unwisdom of permitting such conditions to continue longer than is absolutely necessary is self evident.

Power plant.

There is no room to increase the power plant in the wing of the mechanical engineering building, where it is now located. This fact, as well as others noted further on, points to the desirability of a separate heating and power plant which should be located on the shore of Portage Lake, and while possessing a sufficient capacity to take care of present needs it should be so constructed as to permit of enlargement without change of design and with minimum cost. Such a location would decrease the danger from fire or other accidents confining them wholly to the power plant itself. Furthermore, located on the shore of the lake it would be possible to serve the plant much more economically than can be done in its present location. It is estimated that

with our present consumption of fuel the coal alone delivered directly from the railway tracks would cost from $700 to $1,000 per annum less than it costs now when a long haul by teams is necessary.

The estimate for this building of simple but substantial brick construction and for the necessary boilers, engines, and dynamos, also for a concrete tunnel carrying pipe lines and wires to distribute the power to our various buildings, is $43,800. The Board of Control wishes to make it clear that it is imperatively necessary that the heating and power plant shall be enlarged if the institution is to use all its space and take care of its students.

Additional needs.

In its report two years ago this board drew attention to the imminent need of more land on which to conduct the College operations. A glance at the map of the property owned by the institution will make this need apparent. Every foot of available ground is occupied by buildings, and even the slope which connects the metallurgy building with the lake will be occupied by the ore storage and furnace work of this department.

Two very desirable tracts of land adjoining the present campus seem to be available at the present time and negotiations are under way looking to the obtaining of suitable options on both. If these are obtained the Legislature will be asked to make sufficient appropriation for their purchase and thus set at rest for an indefinite time the matter of room for the institution. It is of the utmost importance to accomplish this while there is opportunity to purchase ground at a reasonable price and before any property owner who might be so disposed has an opportunity to try to hold up the State and thus force condemnation proceedings with attendant expense and high price.

The present shed for storage of lumber, tools, etc., is too old and dilapidated to be worth repair. A new and somewhat larger shed with corrugated iron roofing and sides is immediately necessary. It will cost $1,500.

Two years ago attention was drawn to the need of concrete walks on the college grounds. The necessity becomes more imperative with the lapse of time. The request for $4,180 needed for this purpose will be repeated to the incoming Legislature.

A tabulation of the needs in the way of extensions for which the incoming Legislature will be asked to provide is appended.

ADDITIONAL BUILDING AND EQUIPMENT NEEDS.

Separate central heating and power plant	$43,800 00
Storage shed	1,500 00
Walks and roads	4,180 00
Additional land	.....
Total	$49,480 00

In two previous reports the board has pointed out that the cost per student per year to the State of Michigan is being gradually lessened. In its report for the fiscal years ending June 30, 1899, and June 30, 1900, attention was drawn to the fact that the average cost per student per year for the preceding four years had been $344.96. For the years preceding the last report of this board the cost was $300.12.

the average cost for the *eight* years preceding the present report is $270.16. When this cost to the State of Michigan is compared with state and government aid to other like institutions throughout the country it will be seen that the College of Mines is giving its instruction with a high degree of economy.

In his report for the year 1900 Auditor General Dix drew attention to the fact that the true way to arrive at the cost of an institution to the State is to deduct the amount of its inventory from the total of appropriations which have been made for construction, equipment and maintenance. Proceeding in this way it appears that the net cost per student per year for the entire existence of the College down to June 30th last is $262.67. It will be noted that this is almost exactly the apparent cost for the last eight years. With increase in numbers this cost may be expected to grow somewhat less, although it compares very favorably now with that of much larger institutions, many of which give courses in preparatory work and many of which have women students pursuing courses in domestic science, etc., all of which are far less expensive to conduct than are courses in mining engineering.

The following table sets forth the needs of the institution for maintenance for the next two fiscal years. These are compared item by item with the corresponding disbursements of the last fiscal year.

CURRENT EXPENSE ESTIMATE FOR YEARS 1905-6 AND 1906-7 COMPARED WITH EXPENDITURES FOR YEAR 1903-4.

Accounts	Expenditures for last fiscal year.	Needs for fiscal year.	
	1903-4.	1905-6.	1906-7.
Administration	$518 25	$600 00	$600 00
Chemistry	1,973 39	2,000 00	2,000 00
Civil engineering	1,103 16	1,200 00	1,200 00
Sundry expense	611 80	600 00	600 00
Electrical engineering		100 00	100 00
Freight, etc.	1,805 92	1,900 00	1,900 00
Geology	1,222 65	1,300 00	1,300 00
Grounds	1,223 73	1,300 00	1,300 00
Heating and lighting	6,459 91	6,200 00	6,200 00
Library	3,236 99	3,300 00	3,300 00
Mathematics	177 06	200 00	200 00
Mechanical engineering	2,072 92	2,200 00	2,200 00
Metallurgy	512 13	950 00	950 00
Mineralogy	511 75	650 00	650 00
Mining engineering	2,011 73	2,100 00	2,100 00
Ore dressing	308 89	600 00	600 00
Printing	1,797 45	2,000 00	2,000 00
Physics	622 37	1,000 00	1,000 00
Repairs	513 82	1,500 00	1,500 00
Salaries	46,973 01	48,500 00	48,500 00
Supplies	2,064 74	2,100 00	2,100 00
Students' supplies	10,750 36	11,000 00	11,000 00
Total expenditures	$86,472 03		
Total needs		$91,300 00	$91,300 00
Deduct probable receipts		31,000 00	31,000 00
Appropriation needed			60,300 00

The amount asked for shows a slight increase over the appropriation for two years ago but it should be noted that while the increase is only ten per cent the actual increase in students will be about twenty-one per cent.

Mention was made in the previous report of the beginning of the agitation of a movement among the students, the Board of Control, and friends of the institution to provide it with a gymnasium for the use of the students. Attention was drawn to the necessity for such a building and the hope was expressed that friends of the institution would help in the accomplishment of the movement. About $31,000 was subscribed and in the spring of 1904 the erection of the building was begun. The building had been carefully planned, under the direction of the Board of Control, students, and others, and is admirably adapted to serve its purpose as a gymnasium and club house. It is not yet completed, but is nearly ready for occupancy, and until the friends of the institution have contributed further to this end. The building, finished and furnished, will be a potent influence toward bettering the moral conditions among the students who come to the Michigan Agricultural College.

In its last report the board referred to the matter of keeping the accounts of the institution, and set forth the fact that it had ordered a complete audit of the accounts of the institution to include the books and accounts of the treasurer, dealing with funds belonging to the institution. The board intended to have such an audit made in order that there could be no question as to the correctness of the affairs of this college.

After the above independent audit was made, there is a law on the statute books of this State requiring of any sort to be done through the auditor general's office, in compliance therewith this board requested that the State Accountant be sent to the college to make an audit of its affairs, to cover the period of time from the close of the last fiscal year. Mr. Hiram C. Moore, accountant, made such an examination, and his report, dated July 1, 1904, a copy of which is on file in the office, contains conclusions of the report with regard to the college business are sufficiently indicative of the fact that we congratulate you upon the fact that there is nothing but the most scrupulous integrity among the financial officers you have selected.

It is believed by this board that the affairs of the college are kept in a thoroughly businesslike way, conducive to the best development of the institution and to the end that a thorough audit of the college business at any time may be had.

In conclusion this board wishes to express to the people of the State of Michigan the deep interest in the college which it believes is accompanied by a sincere

terest and support. It earnestly hopes that the incoming Legislature will make provision for the immediate needs of the College, the most pressing of which are discussed in this report. These must be met if the institution is to maintain its present efficiency.

The above report was adopted at meeting of Board of Control of the Michigan College of Mines held December 2, 1904.

WILLIAM KELLY, President,
F. W. McNAIR, Secretary.

SUPREME COURT DECISIONS

IN MATTERS OF

EDUCATIONAL INTEREST

DECISIONS OF THE SUPREME COURT.

ANDREAS vs. SCHOOL DISTRICT NO. 4.

(Opinion filed Oct. 18, 1904.)

ACTION—SET OFF—SPLITTING—CAUSE OF ACTION.

Plaintiff contracted to build a schoolhouse for defendant and after plaintiff completed the building there was $150 of the contract price unpaid. Defendant alleged that plaintiff had not performed his contract, refused to pay the balance and brought action in justice court against plaintiff and his sureties on the bond given to secure performance of the contract. Plaintiff pleaded the general issue and gave notice of set off of $170. On the trial plaintiff withdrew $70 of the set off and defendant recovered judgment of $100. In an action by plaintiff to recover the balance withdrawn in the first case.

Held: 1. That the plaintiff's cause of action was indivisible and could not be split.

2. That the right of set off existed as the action was against plaintiff and his co-defendant as sureties.

3. That an erroneous ruling does not lessen the effect of a judgment.

Hartwick & Skeels for plaintiff and appellee.

F. E. Wetmore and Wallace Foote for defendant and appellant.

CARPENTER, J.

This case arises out of a contract whereby plaintiff agreed to build a schoolhouse for defendant. After plaintiff had completed the building, and when there was $150 of the contract price unpaid, defendant's building committee, alleging that plaintiff had not performed his contract, refused to pay the balance. The school district then brought an action in justice court against Andreas, plaintiff herein, and his sureties, on a bond conditioned on the faithful performance of his contract. The defendants therein pleaded the general issue and gave notice of a set off due plaintiff, amounting to $170. This $170 consisted of the $150 balance unpaid on the contract and several items for extras, aggregating $20.

The trial took place before a jury, and after the evidence and arguments were concluded, defendants "moved to withdraw $70 of their bill of set off from the consideration of the jury." Plaintiff objected "to the withdrawal of any part of defendant's set off at this time unless they specified items." No items were specified. Defendants recovered a verdict and judgment of $100, which the plaintiff subsequently paid.

This suit is brought to recover the balance withdrawn in the first case, as above stated. It was commenced in justice court, where the plaintiff recovered a judgment. It was appealed to the circuit court and on the trial in that court defendant insisted that the principle which prevents a party splitting up an indivisible cause of action constituted a defense. The trial judge denied the application of this principle, and plaintiff obtained a verdict and judgment. Was this decision correct?

It is unnecessary to determine in this case whether or not plaintiff had the right to withdraw from the consideration of the first jury his items for extras. He did not indicate and he refused to indicate his intention to withdraw those items. His intent was to withdraw a balance of $70, of which at least $50 was

a part of an indivisible balance due on the contract. He intended therefore to split up an indivisible cause of action. If he recovers in this case, it must be on the ground that the law will give effect to such an intent.

The principle that an indivisible cause of action cannot be split up is well settled in this court. See Dutton vs. Shaw, 35 Mich. 431; Allison vs. Connor, 36 Mich. 283; Milroy vs. Spurr Mountain Iron Min. Co., 43 Mich. 231; Ins. Co. vs. Lumber Co., 93 Mich. 139.

It is contended that that principle is inapplicable to this case, because plaintiff, being one of several defendants, had no right to set off an indebtedness due to him alone. This view was adopted by the learned trial judge. In doing this he overlooked the fact that the action was upon a contract against plaintiff as principal and his co-defendants as sureties, and that, therefore, under Sec. 776, Subdivision 11, C. L. 1897, the right of set off existed. See Busch vs. Jones, 94 Mich. 223; McGraw vs. Union Trust Co., 11 D. L. N. 91.

It is said that plaintiff had no right to assert his set off in justice court because the claim upon which he was sued was for unliquidated damages. See Sec. 776, Sub. 5, C. L. 1897. But he did assert it and thereby obtained a judgment. The present claim of the plaintiff is that his judgment was the result of an erroneous ruling. The question before us is whether that erroneous ruling lessens the effect of the judgment. It is authoritatively settled (see Freeman on Judgments, Sec. 337) that it does not.

It is said that plaintiff had a right to split up his cause of action because the justice could not, under Sec. 4721, C. L. 1897, render a judgment for more than $100. This argument is not supported by authority and is opposed to reason. It cannot be urged that because the defendant sued him in justice court that the law compelled plaintiff to enforce his set off there. Indeed, he himself contends, as above stated, that the law forbade such enforcement. We must therefore hold that plaintiff voluntarily chose to enforce his claim in the justice court, and it is only just that he should abide the consequences of such choice.

It is no argument against this conclusion that in England there is a statute which it is held (See Webster vs. Armstrong, 54 L. J., Q. B., 236) gives the right, after one has asserted his claim in the mayor's court as a counter claim to one there asserted against him, to recover the excess in another suit. We have no such statute.

It is contended that the judgment in the first suit is no bar because plaintiff's sureties being co-defendants, the parties in that suit were not the same as in the present suit. This point is not well taken. Plaintiff was the real party in the first suit and the judgment concludes the real parties. See Bachelder vs. Brown, 47 Mich. 366.

In our judgment, the principle of law which forbids the splitting up of an indivisible cause of action, applies in this case.

The judgment is reversed and a new trial granted. The other justices concurred.

HAYWARD vs. SCHOOL DISTRICT NO. 9.

(Opinion filed March 28, 1905.)

SCHOOLS—LEASE—REMOVAL OF BUILDINGS BY TENANT—SEC. 4673. C. L. CONSTRUED

A lease of land to a school district for the term of 50 years on which the district builds a schoolhouse, does not, in absence of agreement, vest the title of the schoolhouse in the lessor at the termination of the lease. The district may remove the building within a reasonable time after the termination of the lease.

Sec. 4673 C. L., providing that a school district shall not build a frame schoolhouse on any site for which they have not a title in fee or lease for 50 years, without securing the privilege of removing the schoolhouse, does not show an intent to vest title to the schoolhouse in the lessor in absence of such agreement.

Fred W. Walker and Thomas Sullivan for plaintiff and appellee.
Colgrove & Potter for defendant and appellant.

CARPENTER, J.

Plaintiff brings this suit—which is an action of trespass *quare clausum fregit*—to recover the value of a schoolhouse which he alleges defendant removed from his land. The schoolhouse was erected on the land in question in 1868. The land—which was subsequently transferred to plaintiff—then belonged to plaintiff's father. During the construction of the building defendant and plaintiff's father orally assented that their rights should be determined by certain writing. By this writing defendant for a consideration therein named leased the land for fifty years, provided, "that at any time that the parties of the second part (defendant) shall discontinue the district school on said land, the same shall fall in full possesion of the parties of the first part." (Plaintiff's ancestor and granter.) In the summer of 1902, defendant built a new schoolhouse on a different site. It ceased holding school in the schoolhouse in question December 24. December 29 its directors gave notice of a special meeting of the voters to be held in this old schoolhouse "on Monday evening, January 5, at 7 o'clock p. m. for the purpose of disposing of the schoolhouse on the old site." At this meeting plaintiff appeared and insisted that he owned the schoolhouse. This claim was denied by the others present and the district then sold the building to the highest bidder for $40 (the sale to be null and void if there was no right to sell), with the proviso "that the district hold the schoolhouse for twenty days from the date of sale." Within this twenty days defendant moved the building. Later this suit was brought. The issue was submitted to a jury, who rendered a verdict of $300 in plaintiff's favor.

Defendant insists that a verdict should have been directed in its favor on various grounds, of which we notice these two.

1. Plaintiff was not in possession of the property at the time the alleged trespass was committed.

2. Defendant had a right to remove the building.

Plaintiff insists that defendant in the court below did not contend that it had a right to remove the building. If so, that contention cannot now be relied upon as a ground of reversal. We are bound, however,—and this will more clearly appear in our opinion—to consider defendant's right of removal in determining whether plaintiff was or was not in possession.

Was plaintiff in possession of the property at the time the schoolhouse was removed? If he was not, he cannot maintain this action. See Carpenter vs. Smith, 40 Mich. 639. Defendant never formally yielded possession to plaintiff. It never notified plaintiff that he might have possession. The only possession which plaintiff ever took was to put a lock on the schoolhouse door. It is obvious that this did not put the building in plaintiff's possession if defendant's possessory rights continued. If defendant's possessory rights continued, plaintiff's action was only an invasion of those rights. Those possessory rights did continue if defendant had a right to remove the building. Defendant's right to remove the building at the time of the alleged trespass affords, therefore, a complete answer to plaintiff's claim that he was in possession.

Plaintiff insists that the rights of the parties shall be determined by the writing to which they verbally assented. No unfairness results to plaintiff, therefore, if we so determine them. This writing does not in express terms give defendant the right to remove the schoolhouse. Neither does it provide that the schoolhouse shall be the property of the owner of the land.

If the rights of the parties are determined by common law principles, the schoolhouse was defendant's property, for it is settled in this State that the tenant owns buildings erected by him on leased land "and in furtherance of the purpose for which the premises were leased." See Kerr vs. Kingsbury, 39 Mich. 150. See also Osborne vs. Potter, 101 Mich. 300; Van Ness vs. Pacard, 2 Pet. 37. Accordingly the tenant may remove such buildings during his tenancy, or, if his tenancy terminate on a contingency, within a reasonable time after it terminates. See Martin vs. Roe, 7 E. & B., 237; the Northern Cen. Ry. Co. vs. Canton Co., 30 Md. 347; 2 Tay. L. & T., 9th Ed., Sec. 552. If, therefore, as contended by plaintiff, the lease terminated when school closed on the 24th of December, defendant had a reasonable time thereafter to remove the schoolhouse. Defendant's right of removal was asserted within five days. It was asserted before it had ceased to exercise the right of possession over the property, and the building was itself removed within a reasonable time thereafter. Under these circumstances, defendant acted within its rights. See Antoni vs. Belknap, 102 Mass. 193. Neither

do these circumstances warrant, as plaintiff contends, any inference of abandonment. It follows, therefore, that if the rights of the parties are governed by the common law, defendant had a right to remove the building; plaintiff was not in possession at the time of the alleged trespass and a verdict should have been directed in defendant's favor.

Plaintiff insists, however, that the common law principles are rendered inapplicable to this case by reason of the following portion of Sec. 4673, C. L., 1897, viz :

"Nor shall any district build a frame schoolhouse on any site for which they have not a title in fee or a lease for fifty years without securing the privilege of removing said schoolhouse when lawfully directed to do so by the qualified voters of the district at any annual or special meeting when lawfully convened."

It is obvious that the purpose of this statute was to secure to the school district the right of removing at any time a frame schoolhouse erected on a site leased for less than fifty years. This statute has no application to the lease under consideration (which from the standpoint of plaintiff, adopted by us, is a lease for fifty years) unless it indicates a legislative intent that in the absence of an express reservation of title, schoolhouses on leased land shall belong to the land owner. No such intent is expressed. We cannot infer that intent without deciding that the Legislature by enacting a statute to enlarge the rights of the public in a schoolhouse erected on leased land intended to diminish those rights and enlarge the opposing rights of the land owner. We cannot so decide.

We conclude therefore that the statute has no application and that the rights of the parties are to be determined by the principles of the common law. So determined, as heretofore indicated, defendant had a right to have the jury instructed to render a verdict in its favor.

It follows that the judgment of the lower court should be reversed with costs of both courts. As plaintiff cannot recover, no new trial will be granted.

KINGSTON vs. SCHOOL DISTRICT NO. 5.

(Opinion filed June 25, 1905.)

CONTRACT—RECISSION.

Contract made by plaintiff to teach school in defendant district provided that she should teach the spring term if satisfaction was given. A meeting of the board was held at the close of the winter term and a resolution passed that she be not engaged for the spring term.

Held: That the board had the right to rescind the contract and that plaintiff had notice of the action of the board before the term began.

Barnard & Lewis for plaintiff and appellant.
Thomas J. Cavanaugh for defendant and appellee.

MOORE, C. J.

This action was brought against the defendant to recover damages for a claimed breach of a contract the material parts of which read:

"It is hereby agreed, by and between the District Board of School District No. 5, in the Township of Decatur, county of Van Buren, and State of Michigan, for and on behalf of said district, and Angie Kingston, of the village of Hartford, in the county of Van Buren, and State of Michigan, a legally qualified teacher in said county of Van Buren, that the said Angie Kingston shall teach the fall term of school of said district for the term of two months, commencing on the 2d day of September, in the year 1902, for the sum of $28 per month, to be paid as hereinafter specified.

* * * * * * * * *

"The said Angie Kingston further agrees to teach the winter term of three and one-half months at $28 per month, to be paid at the close of each school month. The said Angie Kingston also further agrees to teach the spring term of two and one-half months at $28 per month, to be paid at the close of each school month, providing satisfaction is given the school board."

Miss Kingston taught and was paid for the fall and winter terms. It is her claim that she entered upon the spring term teaching one day and held herself in readiness to teach the balance of the term. It was the claim of the defendant that the district and the school board were not satisfied with her teaching and declined to have her teach the spring term. She brought suit to recover her wages for the spring term. The circuit judge directed a verdict in favor of defendant. The appellant brings the case here by writ of error.

According to the testimony of the plaintiff on cross examination she closed her winter term on Wednesday and commenced the spring term on the following Monday. She testified they were to have a two weeks' vacation, but because they had so much vacation in the fall and winter, the board told her she better have only two days' vacation, that she began the school the next Monday, but was not allowed to teach any longer.

It is the claim of the defendant that a special meeting of the district board was held on Monday evening following the close of the winter term at which all of the members of the board were present, a part of the record of which meeting reads:

"All members of the board being present, meeting was called to order by the moderator at 7:30 p. m. The services of Miss Angie Kingston not having in the past been satisfactory to the district board, it is moved by John W. Lewis, supported by B. W. Clark, that she be not hired to teach the spring term of school, and her services from now on be dispensed with. Motion put, all members of the board voting yes."

It is also claimed that Miss Kingston was present at this meeting, notice having been given her, and that it was held before it was time to begin the spring term.

Counsel for plaintiff say: "We contend that the only rational construction to be given the contract is, that the school board meant to hire the plaintiff for the definite time of two and one-half months (or the spring term) providing she gave satisfaction during the preceding fall and winter terms; therefore the contract is not the same as though the party was hired for four months providing they gave satisfaction."

They also say: "We contend that a school teacher is not on the same footing with a menial servant, and that a contract of this nature is against public policy. The contract of teachers is governed by statute which provides what it shall contain, and it is not within the power of the school board to insert clauses of this nature. In Thompson vs. Gibbs, 34 L. R. A. 549, the court says: "If public directors can legally import into their contracts of employment of public teachers a clause such as the one in question, this case illustrates the wrong and injustice which may be done under cover of law; and we agree with the solicitor of defendant that such an injustice should not be sanctioned by the court unless the law clearly permits it. But independent of the injury that may be done to the individual, public policy would forbid the recognition of such power unless it is distinctly conferred by the statutes. As has been well urged, if the school directors can provide as in this case for annulling contracts at the end of four months, they can also reserve the right to terminate them at the end of one month, or at their own pleasure."

They also say they are entitled in any event to recover for one day's teaching. The last claim may be disposed of by saying it was not made in the court below.

We shall not attempt to discuss the proposition of counsel at length. It is impossible to read the record without reaching the conclusion that before the spring term should properly begin the school board was not satisfied with the work the teacher was doing and did not desire her to enter upon the spring term and so notified her. While the contract is not very well drawn, we think under its terms the school board had the right to say Miss Kingston should not teach the spring term and that she had knowledge of their determination before the term should properly commence.

Judgment is affirmed.

EXAMINATION QUESTIONS

FOR

COUNTY CERTIFICATES

1905

REGULAR COUNTY EXAMINATIONS, MARCH, JUNE, AUGUST, AND OCTOBER.

COUNTY EXAMINATIONS.

1. Questions prepared by the Superintendent of Public Instruction for the regular examination, March 9-11, 1905.

ARITHMETIC.

First Grade.

1. Illustrate and explain as to a class four "short methods" that should be taught in arithmetic.
2. Given the product and all factors except one, to find the missing factor. Give solution and show its application to the various cases in percentage.
3. Given the sum and difference of two numbers, to find the numbers. Solve and explain as to a class in arithmetic, without using equations.
4. A can complete his piece of work in 12 days, B, who can do only one-third as much as A, can complete his piece of work in 18 days. If they work together, how long will it take them to complete both pieces of work, provided that by uniting their work a saving of one-third of each man's time is accomplished?
5. A merchant offers me a 48-dollar suit of clothes at 12½% discount. Knowing that he would at that rate make 16⅔%, I offer to take the suit if he will divide that profit with me. He accepts the offer. What per cent discount do I get from the original price?

   Analyze.
6. I buy goods at 30, 20, and 5 off from the list price and settle the bill with $820.80. What was the list price of the bill?
7. A bin whose length, breadth, and height are in the ratio of 4, 2, and 1 will hold 400 bushels. What are its dimensions?
8. If the cost of an article had been 8% less I should have gained 10% more. Find per cent of gain.

   Analyze.
9. Indicate the operations necessary to find in quarts the capacity of a pail 10 in. deep, whose top and bottom diameters are 10 and 7 in. respectively?
10. What are the benefits, if any, in the study of mental arithmetic as distinguished from written arithmetic?

Second and Third Grades.

Applicants for second grade answer last ten questions; for third grade, first ten.

1. Define (a) a concrete number, (b) a composite number, (c) a denominate number, (d) a fraction, (e) percentage.
2. Give the principles of division and illustrate their applications to fractions.
3. A railway charges a cent a mile for the first fifty miles for carrying a cord of wood and three cents for every four miles beyond fifty. What will it cost to carry 250 cords 90 miles?
4. A and B were the only candidates at a certain election. The whole number of votes cast was 6,235, and A's majority 647. How many votes did B receive?

5. In a certain school $\frac{2}{3}$ of the pupils belong to the fourth grade, $\frac{1}{6}$ to the third grade, $\frac{1}{4}$ to the second grade and the rest, which is eleven, to the first and fifth grades in the ratio of $2\frac{1}{2}$ to 3. How many pupils in the school?
6. A has $\frac{5}{8}$ of an estate, B and C the remainder, B having twice as much as C. It is found that B has 27 acres more than C. What is the size of the estate?
7. Put the following items into the form of a bill and find the cost when lumber is $25 per M. and shingles $3.75 per M.: 10 pieces 14 ft. long, 2x8 in.; 15 pieces 20 ft. long, 4x4 in.; 12 pieces 12 ft. long, 1x6 in.; and shingles to cover 140 sq. ft., shingles being 4 in. wide and being laid 4 in. to the weather.
8. The cost of my goods was $240 less than the selling price, which was $560. What was the gain per cent?
9. Find the bank discount at 8% on a 90-day note for $500, drawing 6%.
10. Analyze the following:
    (a) 12 is $\frac{3}{4}$ of how many times $\frac{1}{2}$ of 8?
    (b) $12 \div \frac{5}{6}$ equals what?
    (c) Multiply $\frac{2}{3}$ by $\frac{5}{6}$.
11. Sold at a gain of 20%. Had the cost been $300 more, I should have lost 20%. What was the cost?
12. I mix 20% rosin with 8 lbs. of tallow. How many pounds in the mixture?
13. How must I mark goods so that I may deduct 10% from the marked price and still make 17%?
14. A room 20 ft. long and 12 ft. wide is 9 ft. high. What is the length of the longest line that can be stretched in the room?

MENTAL ARITHMETIC.

All Grades.

NOTE.—(1) Distribute these lists among all the applicants, placing them face down upon the desks.
(2) Each applicant write his number or name across the back of the list.
(3) At a signal from the commissioner, all reverse the papers and in the *right-hand margin* write as many answers to the questions as possible in 15 *minutes*.
(4) At the second signal, all again reverse the papers when they will at once be collected by the examiners.
Give *one credit* for each correct answer written, making 20 credits for this part of the examination.

1. Add 23, 39, 64, 13, 18.
2. Take $12\frac{3}{8}$ from $15\frac{1}{4}$.
3. Find the difference between the product of $2\frac{1}{2}$ and 5 and that of $3\frac{1}{3}$ and 3.
4. Compare by division $12\frac{1}{2}$ with 15.
5. How many times can 75 be taken from 1800?
6. Multiply 48 by 75.
7. Find the cost of $7\frac{1}{2}$ yds. of cloth at 18 cts. a yd.
8. If $\frac{2}{5}$ of a cord of wood costs $6, what will 2 cords cost?
9. 16 is $\frac{1}{5}$ of what number?
10. 16 is $\frac{1}{2}$ of $\frac{8}{9}$ of what number?
11. What part of 100 is $16\frac{2}{3}$?
12. What part of 200 is $66\frac{2}{3}$?
13. What part of 1000 is 50% of 100?
14. Multiply 36 by $16\frac{2}{3}$.
15. Divide 4800 by $37\frac{1}{2}$.
16. What is the hypotenuse of a triangle whose base is 40 and whose perpendicular is 30?
17. What per cent of $12\frac{1}{2}$ is $2\frac{1}{2}$?
18. What number is 75% of 4 units?
19. What is the bank discount on $360 at 6% for 60 days?
20. What is the square root of $8 \times 32 \times 9$?

ALGEBRA.

First Grade.

1. Simplify:

$$\left(\frac{x^2 - 4x - 12}{x^2 - 3x - 28} \div \frac{x^2 - 3x - 18}{x^2 + 6x - 40}\right) \div \left(\frac{2x - 5}{x + 7} - \frac{x^2 - 13x - 30}{x^2 + 9x + 4}\right)$$

2. If a pound of lead loses 5-57 of a pound and a pound of iron loses 2-15 of a pound when weighed in water, how many pounds of lead and iron are there in a mass of lead and iron that weighs 159 pounds in air and 143 pounds in water?
3. A man with a capital of $4,725 annually added to his capital one-third of it, and at the end of each year he put aside a certain sum for expenses. At the end of the third year, after taking out the sum for expenses, his capital was $3,800. What were his annual expenses?
4. Illustrate the various methods of elimination.
5. Discuss the meaning of:
   (a) A zero exponent.
   (b) A negative exponent.
   (c) A fractional exponent.
6. Define (a) rationalization, (b) binomial surd, (c) conjugate surds.
7. Extract the square root of $30+20\sqrt{2}$.
8. Solve the following equation:

$$x + y = 5,$$
$$x^4 + y^4 = 100.$$

9. By lowering the price of apples one cent a dozen, an apple woman finds that she can sell 60 more than she did for 60 cents. At what price per dozen did she sell them at first?
10. Discuss the binomial theorem.

Second Grade.

1. (a) What is an equation?
   (b) What is a binomial?
   (c) Define an independent equation.
2. (a) When is x—y an exact divisior of binomials?
   (b) When is x+y an exact divisior of binomials?
3. Write the factors of: $400a^2 - 81y^2$; $100x^{2n} - 1$; $a^2 - 2ax + x^2 - n^2$; $x^2 - x - 110$; $x^6 + y^6$.
4. Simplify: $\dfrac{x^3 + x^2 + x - 3}{x^3 + 3x^2 + 5x + 3}$.
5. A field is twice as long as it is wide. If its length is increased 20 rods and its width 30 rods, the area will be increased 2,200 square rods. What are its dimensions?
6. Three pipes empty into a cistern. One can fill the cistern in 5 hours, another in 6 hours, and the third in 10 hours. How long will it take the three pipes to fill it?
7. The tens' digit of a number expressed by two digits is 3 times the units' digit. If the number diminished by 33 is divided by the difference of the digits, the quotient is 10. What is the number?
8. Solve the following for value of x:

$$y + z + v - x = 22,$$
$$z + v + x - y = 18,$$
$$v + x + y - z = 14,$$
$$x + y + z - v = 10.$$

9. The sum of two numbers is 12, and their product is 32. What are the numbers?
10. If it requires 200 rods of fence to inclose a rectangular field of 15 acres, what are its dimensions?

BOTANY.

First Grade.

1. Why is emphasis placed upon structural botany in modern teaching? Give a list of apparatus necessary to secure good results in studying structural botany.
2. The bark of a year old stem consists of three parts. Name and describe each.
3. Give in detail the anatomy of a green leaf.
4. Name the different flower clusters and describe two.
5. Describe the corolla, stamens, and pistils of each of the following flowers: violet, apple blossom, clover, lily of the valley.
6. Explain the terms innate, adnate, versatile, introrse as applied to the anther.
7. What is meant by cross-fertilization? What results are usually secured by it?
8. What three purposes do roots serve? Give examples.
9. What elements do plants secure from the soil? What from the air? Where is plant food digested?
10. Describe in detail a cross section of an exogenous stem.

Second Grade.

1. What are the conditions for rapid germination of seeds?
2. Give examples of bulbs, tuber, root stock, corm.
3. Describe three plans of leaf arrangement on the stem.
4. Define stolon, runner, offset, and name plants that have them.
5. What are the parts of a typical leaf? Name five leaf forms.
6. Name the parts of a complete flower and describe each.
7. Describe and give examples of simple, aggregate, and dry fruits.
8. Define legume, follicle, samara, capsule.
9. Name some agents for the dissemination of seeds.
10. Explain the terms determinate and indeterminate inflorescence.

CIVIL GOVERNMENT.

First Grade.

1. Discuss the consular service.
2. (a) What is the difference between civil rights and political rights?
   (b) Mention five civil rights and two political rights.
3. (a) What is impeachment?
   (b) What is the procedure in Congress?
   (c) What has recently brought the matter of impeachment before the public?
4. The three departments of government:
   (a) What are they?
   (b) Why should they be kept distinct? Illustrate your answer as to a class.
   (c) Is it possible to keep them entirely separate? Explain your answer.
5. Mention three powers of Congress that have the most direct bearing upon the prosperity of this country. Why?
6. (a) What supreme court decisions have been made that have a direct bearing upon the relation of the newly acquired territory to this government?
   (b) Discuss the difficulties, legal or constitutional, in dealing with the trusts.
   Answer either (a) or (b) above.
7. What changes have been made recently with reference to the Michigan supreme court? State board of education?
8. (a) What constitutional amendment was made by the people last November?
   (b) What evils is it expected to correct?
   (c) Does it appear from the present legislature's work that the amendment does correct the evils you mention?
9. How may a territory become a state?
10. (a) Discuss the so-called "elastic clause."
    (b) Who is a voter in Michigan?

Second and Third Grades.

Applicants for second grade answer last ten questions; for third grade, first ten.

1. What constitutes the legislative department of government in (a) United States, (b) in Michigan, (c) in your county?
2. (a) How many United States senators are there?
   (b) How many congressmen has Michigan?
   (c) Who is our United States senator elect?
   (d) When and by whom was he elected?
3. (a) What officials constitute the President's cabinet?
   (b) Name the persons now holding such offices.
4. Name the present State officers.
5. (a) Name your county officers.
   (b) When will township officers next be elected?
6. Give three of the most important powers of Congress and tell why you think them the most important.
7. (a) Who has been recently impeached by Congress?
   (b) What was his offense?
8. (a) What is meant by saying that a law is not constitutional?
   (b) Who determines whether or not it is constitutional?
9. The county board of school examiners:
   (a) Of whom composed?
   (b) When and how elected?
   (c) Salary of each?
   (d) Term of office?
10. School district:
   (a) Date of annual meeting?
   (b) Officers constituting school board?
   (c) What officers can change the boundaries of a school district?
11. The primary money:
   (a) How obtained by the State?
   (b) How often apportioned to the districts?
   (c) By whom apportioned and upon what basis?
   (d) About how much annually?
12. Mention three laws relating directly to teachers.
13. Outline a lesson on State government for a class in eighth or ninth grade.
14. Outline the judiciary of the State.

GENERAL HISTORY.

First Grade.

1. How has the idea of the purpose of treaties and the relations of nations changed since the seventeenth century? Mention two international treaties which America has signed in which the new idea has been prominent.

2-3. (a) Mention some deplorable internal conditions in Russia.
   (b) Trace the progress of the present war between Russia and Japan.
   (c) What are some of the characteristics of the Japanese as (*a*) soldiers, (*b*) citizens?

4. Give the names and authors of five good books of historical fiction regarding European events which you would recommend to high school pupils.
5. Give an account of the Hundred Years' War.
6. Trace the rise and fall of the papacy in France.
7. (a) Mention three men who have done much for Germany.
   (b) What is Germany's condition today (*a*) educationally, (*b*) as a military power, (*c*) as to government, (*d*) as to her populace?
8. (a) Why did the English Commonwealth fail?
   (b) What was the Bill of Rights?
9. (a) Name five men who advocated and aided in accomplishing the expansion of Rome.
   (b) What were the results of expansion (*a*) to the assimilated nations, (*b*) to Rome?

10. (a) Name five prominent English statesmen of the past fifty years.
    (b) Name some of England's colonies at the present time and tell what she is doing for them.

Second Grade.

1. Which proved more stable in times of stress, Athens or Sparta? Account for this and name one instance when it proved true.
2. Mention three Roman wars for conquest. What were the permanent results of one of these struggles to (a) the conquered, (b) the conqueror?
3. What was the significance of the Battle of Tours?
4. What movements characterized the age of revival in France? In Italy? In England? Name one of the leaders in each case.
5. How did Tetzel and his preaching of the indulgences affect the Reformation in Germany?
6. What was the Divine Right of Kings, the Royal Touch, the Inquisition, Edict of Nantes, Star Chamber?
7. Mention the characteristic events of the reign of Charles I of England. To what did these lead?
8. What is The Hague Tribunal, when was it established, and what do you think of the wisdom of the plan?
9. (a) Mention five critical events in the war between Russia and Japan?
    (b) How has England's colonial policy changed since the Revolutionary War?
10. What use do you make of maps in teaching general history? Why?

GEOGRAPHY.

First Grade.

1. Give three reasons why the United States is a great commercial country. In what lines do we excel other nations?
2. Describe the Chicago drainage canal. What important canals are in Michigan?
3. (a) Name six great wheat-growing countries.
    (b) How does the production of corn in the United States compare with that of all the rest of the world?
4. Describe in detail the surface or topography of Central America.
5. Describe Manchuria as to surface, soil, and productions.
6. Describe the trade winds and tides. Give the theory of the cause of each.
7. From what country or countries do we import hides, mahogany, sugar, hemp, coffee?
8. Name the Western States and name and locate two important cities in each.
9. Define longitude, great circle, zone, prime meridian, the tropics.
10. Locate the international date line and explain why it is so called.

Second and Third Grades.

Applicants for second grade answer last ten; for third grade, first ten.

1. Give the number of townships in your county, name the important cities and villages, and give population of the county approximately if you cannot give it exactly.
2. Name the North Central states and name and locate three important cities in each.
3. For what are the following cities noted: Pittsburg, St. Louis, Minneapolis, Philadelphia, San Francisco?
4. Name the chief articles of export from the New England states.
5. Define erosion, detritus, sand dune, equator, mountain system.
6. Describe Detroit and give its distance from your home.
7. Name the productions of France Which of them are exported to the United States?

8. Name the chief seaports of Eastern Asia.
9. In what cities of the United States do we find large manufacturies of textile goods?
10. Name ten cities of Europe and indicate their pronunciation.
11. Describe briefly the people, occupations, schools, and government of Argentina. Is it ranked above or below Chili?
12. Locate Quebec, Winnipeg, Seattle, Galveston, New Orleans, and state the distance of each from Chicago.
13. Describe Germany as to area, productions, government.
14. Define and give examples of the following: barrier reef, continental islands, ocean current, desert, glacier.
15. How does the rainfall of Michigan compare with that of Arizona? Why the difference?

GEOMETRY.

First Grade.

1. Show the relation of the two triangles formed by a line drawn from the vertex of the right angle to the middle point of the hypotenuse.
2. From the end of a tangent 20 inches long a secant is drawn through the centre of the circle. If the external segment of this secant is 8 inches, what is the area of the circle?
3. Show the relation of a square inscribed in a semi-circle to a square inscribed in a circle?
4. Prove that the line which bisects the vertical angle of a triangle divides the base into segments proportional to the adjacent sides of the triangle.

5-6. In an isosceles triangle A B C, the side A B = side B C and the perpendicular C D cuts the line A B making B D = $\frac{1}{2}$ of C. D. Show that A C is one side of a regular inscribed pentagon in the circle whose radius is C D.

Suggestion.—With radius C D construct a circle, and the triangle within it.

7. The difference between the diagonal and one side of a square is one-half inch. Construct the square.
8. Find the area of a circle inscribed in a triangle whose sides are 9, 10, and 17 inches respectively.
9. Divide a circle into three equivalent parts by concentric circles.
10. There are various proofs that the square described upon the hypotenuse is equivalent to the sum of the squares upon the legs of a right triangle. Give figures for three different proofs, noting the essential points to be proven in each proof.

GRAMMAR.

First Grade.

1. What is the value of the etymology in grammar?
2. Define analysis, parsing, syntax, and state wherein lies the real value of each.
3. Discriminate between "where" used as a conjunctive adverb and the same word used as a conjunctive pronoun, or to introduce a relative clause.
4. How many forms has the participle? State what each expresses.
5. Give and illustrate seven uses of the infinitive.
6. Justify the use of the "infinitive mode" as used by some authors.
7. Form the plurals of book, branch, solo, echo, valley, duty, Miss Brown, father-in-law, attorney-general, Knight Templar, and justify each.
8. Name the different classes of adjectives according to a standard author.
9. (a) What parts of speech are inflected in English?
   (b) Why have the old inflections been discarded?
10. Give the construction of the italicized words in the following: We found the *man dying* and asked *him* his *name, but getting no* response, we made him *as comfortable as* possible.

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Second and Third Grades.

Applicants for second grade answer last ten; for third grade, first ten.

1. Define grammar, analysis, parsing.
2. Classify sentences as to form. Give examples.
3. Give three rules for forming the plural, two for forming the possessive, and illustrate each.
4. Name the classes of pronouns. Which are declined? Select a pronoun and decline it.
5. Define case, name the cases, and state in how many and what ways a noun may be in a case selected by yourself.
6. Distinguish between a conjunction and a conjunctive adverb. Illustrate each.
7. What properties have verbs? Define each.
8. Give the principal parts of ride, slay, swim, teach, take.
9. Give all the equivalents or substitutes for a noun. Illustrate three of them.
10. Give the construction of the italicized words in the following: Tell *me what* you sold at the *fair, that* I *may* know *you to be* a good *salesman.*
11. Explain and illustrate how the perfect progressive and future tenses are formed.
12. Distinguish between a gerund and a participle. Illustrate.
13. Give four rules for the use of the comma and two for the semicolon.
14. Name and define the several kinds of clauses.
15. Analyze the following sentence as you would require your pupils to analyze it:

"True worth is in being, not seeming,
In doing each day that goes by
Some little good, not in dreaming
Of great things to do by and by."

ORTHOGRAPHY.

All grades.

Answer five questions.

1. Name four diacritic marks used to designate the sounds of consonants. What consonants are so marked? Give words to illustrate the use of each mark.
2. Affix each of the following suffixes to three words to make adjectives and analyze each: ate, ant, less, an.
3. (a) Mention three advantages and three disadvantages of oral spelling.
   (b) Which do you prefer oral or written spelling? Why?
4. (a) Name five pairs of synonyms and illustrate the correct use of each in sentences.
   (b) Upon what does the choice of synonyms for written or spoken language depend.
5. "There can be little doubt that the time will come when immigration into this country must be further restricted."
   (a) Name two Latin derivatives in the above.
   (b) What is the antonym of little.
   (c) Why is immigration used here instead of emigration.
   (d) Name the homonym of a word in the above.
6. Write ten words commonly mispronounced and indicate the pronunciation.

LIST OF WORDS.

All Grades.

1. paragraph
2. superintendent
3. thistle
4. needles
5. potatoes
6. February
7. envelope
8. subscription
9. pictures
10. pleurisy
11. promontory
12. Edinburgh
13. pursuing
14. petroleum
15. physician

16. fissure
17. priest
18. camphor
19. exception
20. cultivate
21. quotation
22. notation
23. thirtieth
24. crayon
25. composition
26. tympanum
27. area
28. vermiform
29. inaugural
30. concrete
31. oases
32. Au Sable
33. install
34. mackerel
35. sclerotic
36. Formosa
37. lying
38. mirror
39. canyon
40. perfumery
41. crease
42. rectangle
43. twitch
44. happier
45. strait
46. language
47. arithmetic
48. participle
49. Dubuque
50. partridge

PHYSICS.

First Grade.

1. (a) Explain fully "opposite electrifications."
   (b) Explain what is meant by "charging" a body.
2. (a) Describe a Voltaic cell. How does it operate?
   (b) Describe the operation of a direct current dynamo and name its essential parts.
3. What do you understand by a high voltage current?
4. Explain the terms interference, diffraction, and polarization of light.
5. If an object is placed at twice the focal distance of a convex lens, how will the length of the image compare with the length of the object? Explain by figure.
6. Define sound and give the theory of the propagation of sound.
7. Give the laws for the vibration of cords.
8. What is Archimedes' principle, and what practical applications are in common use?
9. (a) What is the "moment of a force" and how measured?
   (b) Explain the wheel and axle as a lever.
10. Define work, energy, and give the units of each. How is kinetic energy measured?

Second Grade.

1. Explain and illustrate the operation of the telegraph.
2. Give the theory of terrestrial magnetism. Locate the magnetic poles.
3. Explain the terms insulator, conductor, potential, electromotive force.
4. (a) What is the effect of a triangular prism on white light?
   (b) Draw the figure and explain the formation of the rainbow.
5. What is the general law of plane mirrors?
6. What kind of a lens should be used in spectacles for a far-sighted person? Why?
7. Draw a figure and explain the operation of a siphon.
8. Make and solve a problem involving the inclined plane.
9. (a) Why is it that a steel battleship will float?
   (b) Define specific gravity, density, lever, acceleration.
10. (a) The weather being the same, why will soil that is frequently cultivated remain moist when that which is not cultivated becomes dry and hard?
    (b) Why will a pebble thrown against a pane of glass shatter it while a rifle ball will not?

PHYSIOLOGY.

First Grade.

1. Name four mineral substances that are essential properties of food, name one food containing each, and give the special purpose of each substance.
2. (a) Where do the bacilli develop that cause (*a*) typhoid fever, (*b*) consumption, (*c*) blood poisoning?

(b) Discuss the advantages of medical inspection of schools.

3. Outline a course for grammar pupils upon the hygiene of the skin and its modifications.
4. (a) What do you understand by the term "a nervous person"?
   (b) What are three uses of reflex action? Give an illustration of each. What is the physiological significance of self-control?
5. Describe by a diagram the circulatory system, giving names of veins, arteries, and organs.
6. How would you treat (a) a severe cut, (b) a severe burn?
7. (a) What is astigmatism?
   (b) Locate and describe lachrymal glands, choroid coat, vitreous humor.
8. Mention five habits of living which tend to maintain a healthy condition of the digestive organs. Why?
9. Name six kinds of tissue and locate an example of each.
10. Mention three diseases caused by the use of alcohol. Describe the condition in one of these cases.

Second and Third Grades.

Applicants for second grade answer last ten; for third grade, first ten.

1. Describe the ribs as to location, number,. functions.
2. How is the sensation of smell produced and what is the value of this sense?
3. Describe the tissue of a muscle; the tissue of cartilage.
4. (a) What organs does the abdomen contain?
   (b) Describe and give the functions of one of these organs.
5. (a) What is meant by the term "chest expansion"? What does it indicate?
   (b) Name and locate five large blood-vessels, either veins or arteries.
6. What do you understand by indigestion? Mention three results and three causes.
7. Describe the cerebrum and state its three functions.
8. Describe, locate, and state purposes of the sclerotic coat, the retina, the cornea, optic nerve.
9. What membrane surrounds the heart, lungs, the bones?
10. What results from taking alcohol or an alcoholic stimulant lead people to think that it makes the body warm? Is this true? Why?
11. Why is it essential for the health of the kidneys to drink water freely? For the health of the alimentary canal?
12. Give five simple directions for care of the nails that should be taught children.
13. Describe the lymphatic circulation and state its functions.
14. State the causes of St. Vitus' dance. How may it be remedied?

READING.

All Grades.

Applicants answer questions marked *, and any five others

*1. (a) Of what class and condition of people did George Eliot write?
   (b) Mention the things in her early life and education which fitted her for writing of the scenes and characters described in her novels.
   (c) Give the names of three other novels written by her.
*2. Sketch briefly the principal plot of "Silas Marner."
*3. (a) Is the plot an important part of a novel? Why?
   (b) Is the plot the most important thing? Why?
   (c) Justify your answer in the case of this story.
4. (a) Mention two dramatic scenes in "Silas Marner."
   (b) How has the author made these effective?
5. Mention some things in this production which show the artistic sense of George Eliot.
6. What reasons can you give for dividing this selection into two parts?
7. Is Marner's character as developed in Part I a natural consequence of his isolation and habits? Why?

8. (a) Is it right to hoard money either for money's sake or for purely selfish purposes? What is the usual result upon character?
   (b) What is money for?
9. (a) How does loss of money often bring dearer treasures?
   (b) What was the great treasure which Marner received?
10. (a) Was Geoffrey Cass' retribution just?
    (b) Why did he feel it so?
    (c) Do you think that Eppie's treatment of her own father was natural? Why?
11. Are we led to believe that Geoffrey Cass made amends for his treatment of Eppie and her mother? If so, how do you think he did this?
12. What was George Eliot's idea of the influence of environment? Do you think that she was right? Why?
*13. What underlying principles in Marner's character made it impossible for him to become a wicked man when accused of theft and convicted by lot? Why do such experiences sometimes have the opposite effect?
14. What womanly qualities does Nancy display?
15. State the purpose of the introduction of Mrs. Winthrop. Of the incident of the broken jar.
*16. What is the result of hoarding smiles and kindness and of never opening the door of the heart except in the night or when no one is near?
17. Why did the child at once gain a place in Marner's life?

SCHOOL LAW.

All Grades.

Applicants for first grade answer all; other grades, any five.

1. What power has a school board to make rules in regard to the school? Specify some rules it may make if any.
2. Who has power to (a) fix the length of school year, (b) hire teachers, (c) enforce the truancy law, (d) purchase supplies, (e) expel pupils?
3. Give the substance of the free text-book law.
4. How is a school district library legally established?
5. Give the powers of boards of education in township unit districts.
6. Under what conditions does a school district forfeit its share of the primary school interest fund?
7. What powers have the qualified voters in an annual school meeting?
8. If a teacher, at the opening of the school year, finds the school house and its appurtenances in an unsanitary or improper condition may he close the school until such conditions are corrected and collect his pay for the time the school is so closed? Would such act be a violation of the usual teachers' contract?

STATE MANUAL AND COURSE OF STUDY.

All Grades.

1. (a) What is a course of study?
   (b) What advantages should be gained by using a course of study?
   (c) What are some of the disadvantages or dangers in using it?
2. What division of the grades is made in the "three division program?"
3. What plan of "alternation" is suggested?
4. Outline briefly the method given for teaching beginners to read.
5. In what grade is text-book introduced in the following subjects: arithmetic, geography, physiology, language?
6. Give a brief synopsis of the "introduction of problems" as discussed on pages 25 and 26.
7. Illustrate the formal method of teaching the various combinations of two numbers, as given in the Manual.

8. What is suggested with reference to teaching diacritics?
9. Give outline of the work of fourth grade.
10. How much work in history and civil government is recommended and in what grades?

THEORY AND ART.

All Grades.

Applicants for first grade answer last ten; for other grades, first ten.

1. Give Mr. Hinsdale's definition of study, learning, teaching.
2. How are these related?
3. Is reading, study? Why?
4. What is said of the neglect of the art of study in schools? Why is there such a waste of time in schools?
5. Define "subjective" and "objective" pedagogy. Which is preferable?
6. What is the teacher's "double duty"?
7. How should the multiplication table be taught?
8. Is the teacher responsible to his school and to the people for his conduct outside of "school hours?" Why?
9. Define memory, imagination, perception, and conception. State at what period of life each of these faculties is most active.
10. "Scholarship is the first requisite in a teacher." Why?
11. What are the two chief factors in attention?
12. Explain the process of forming a judgment.
13. Explain the process of inductive reasoning.
14. Classify the emotions. Can we safely neglect to cultivate all the emotions of the child? Why?
15. Explain how individuality is the product of thought culture.

UNITED STATES HISTORY.

First Grade.

1. Compare the English and Spanish colonial systems in America, naming some leaders in both.
2. (a) Mention three men who conducted explorations in Michigan prior to 1700, stating what settlements were made.
   (b) What were the results of the French and Indian Wars upon (*a*) America, (*b*) France and England?
3. What was the Fugitive Slave Law and what was Lincoln's stand regarding its enforcement?
4. (a) Outline a course in supplementary reading that you would teach in seventh and eighth grades including five poems, with authors.
   (b) Do you use historical poems that are not absolutely true in some ways? Why?
5. (a) What territories applied for admission as states during the last session of Congress? Were they admitted?
   (b) Mention two questions discussed in regard to their admission.
6. (a) Name three prominent senators and three prominent representatives of the present Congress.
   (b) State some ideas of national policy advocated by the present administration.
7. Who were some English statesmen at the time of the Revolution and what views did they hold in regard to the attitude of the colonists?
8. When did Porto Rico become a part of the United States and how is it governed?
9. When was the first test of the strength of the Constitution? How did this result?
10. (a) Mention three laws passed since the Civil War affecting trade.
    (b) Upon what platform was Horace Greeley nominated for the presidency?

Second and Third Grades.

Applicants for second grade answer last ten; for third grade first ten.

1. (a) By virtue of what discoveries and explorations did France claim the Mississippi Valley?
   (b) Give an account of Pontiac's conspiracy.
2. (a) Did the colonists wish independence at the beginning of the Revolution? Why?
   (b) What treaty closed the Revolution and what were some of its provisions?
3. Mention some things which made it difficult to establish a strong central government after the Revolution.
4. (a) How have western expansion and settlement in America affected the commercial and industrial conditions?
   (b) What exposition will be held on the Pacific slope this year? Where? What event does this celebrate?
5. How may federal officers be impeached? When and against whom were the last of such proceedings instituted?
6. State the importance of the Shenandoah Valley in the Civil War.
7. (a) What defense of secession did the South make?
   (b) State the effect of the battle between the Monitor and Merrimac upon modern warfare.
8. What territories applied for admission as states during the last Congress? Were they admitted? Mention two questions discussed in regard to their admission.
9. Mention three significant events of President Roosevelt's administration. Why do you consider them so?
10. What hero studies would you suggest for the primary grades? Why do you choose these?
11. What was the purpose of the Ohio Company and how did the work of this company affect the struggle for supremacy between the French and English?
12. Define nullification. What constitutional provision makes it impossible?
13. Why were constitutional provisions necessary to reconstruction?

11. Questions prepared by the Superintendent of Public Instruction for the regular examination, June 15-16, 1905, are omitted as those questions are, with few exceptions, duplicates of those given in March.

III. Questions prepared by the Superintendent of Public Instruction for the regular examination, August 10-12, 1905.

ALGEBRA.

First Grade.

1. Make and solve problems to illustrate the following:
   (a) The reduction of a mixed surd to an entire surd.
   (b) Extracting the square root of a binomial surd.
2. (a) Illustrate the infinite series showing how it is produced.
   (b) When is a series convergent? when divergent?
3. Discuss ratios with reference to kinds and laws.
4. Factor the following:
   (a) $3x^2+7xy+2y^2$.
   (b) $2x^2+16x-20$.
   (c) $64b^4-12b^2-1$.
5. Find three consecutive numbers such that if they are divided by 10, 17, and 26 respectively, the sum of the quotients will be 10.
6. The middle digit of a number between 100 and 1,000 is zero, and the sum of the other digits is 11. If the order of digits be reversed, the number so formed exceeds the original by 495. What is the number?
7. A hound pursues a hare, and makes b leaps while the hare makes c leaps; but d hound-leaps equal e hare-leaps. If the hare has a leaps the start, when will the hound overtake the hare

8. The area of a certain rectangle is equal to the area of a square whose side is 6 meters less than one of the sides of the rectangle, and also equal to the area of another rectangle whose length is 2 meters less, and width 1 meter more. Find the length of the sides of the rectangle.
9. Divide unity into four parts in arithmetical progression, of which the sum of the cubes shall be $\frac{1}{10}$.
10. A man bought a certain number of eggs for 2 dollars. If he had paid 5 cents more per dozen, he would have received 24 less for the same money. How many dozen did he buy, and what did he pay per dozen?

Second Grade.

1. Give and define six algebraic terms or expressions.
2. (a) Write a single algebraic expression in which it is necessary to use a parenthesis, a bracket, and a vinculum.
   (b) Simplify the expression.
3. Factor the following expressions:
   (a) c^3+d^3
   (b) x^3-y^3
   (c) x^8-y^{16}
   (d) $c^{10}+y^{10}$
   (e) $x^2+73x+72$.
4. Supply the necessary terms to make the following the product of two binomials, and factor them:
   $\frac{x^2}{4}+9$; $\frac{4}{9}\times\frac{4}{25}x^2$; $\frac{1}{3}x\left[\frac{1}{3}x-\frac{1}{2}\right]$.
5. The difference of two numbers is 20, and $\frac{1}{2}$ of one of them is equal to $\frac{1}{5}$ of the other. What are the numbers?
6. Solve the following to find the value of x:
   $$\left[\begin{array}{l}\frac{3}{4}x-\frac{5}{6}y=1\\ \frac{2}{3}x+\frac{1}{2}y=4\end{array}\right]$$
7. A lost $\frac{3}{4}$ of his money and then borrowed $\frac{1}{8}$ of B's money, having then $12. At first A had $\frac{2}{5}$ as much as B. How much had each at first?
8. Find that number whose one-half plus its square is 150.
9. Find two numbers who differ by 5, and whose squares differ by 145.
10. If to a certain number of two digits the tens' digit be added, the sum will be 80. If the units be subtracted, the remainder is 70. Find the number.

ARITHMETIC.

First Grade.

NOTE.—Indicate in exact terms, without solving, all operations necessary in the solution of Nos. 2, 5, 6.

1. Give your methods for teaching the following:
   (a) Factoring.
   (b) Finding L. C. M.
   (c) "Pointing off" in division of decimals.
2. The water in a cylindrical cistern 4 ft. in diameter is 6 ft. deep. How many gallons does it contain?
3. By reducing the price on my house 25% and on my barn 3⅓% I sold them for $1,400.00. This was 77⅞% of the original price of both. What was the original price?
4. A marble block 2 ft. square and 1 ft. thick is to be incased with plank 3 in. thick. Give the exact amount of lumber in this cover.
5–6. A 20 ft. log 3 ft. in diameter with a specific gravity of .90, weighs 40 lbs. to the cu. ft. What is the diameter of a globe of iron weighing the same, specific gravity being 7.5?
7. The proceeds of a 90 day bank note, discounted at 6% on the day it was re $1,220.78. What was the face of the note?

NOTE.—Give arithmetical analysis of the remaining problems.

8. What is the diameter of a circle whose area is 64% of that of a circle $6\frac{1}{4}$ in. in diameter?
9. A, B, and C together have $645. C has twice as much money as B, and if $12 be deducted from A's money it will be $\frac{1}{3}$ of B's. How much has each?
10. A manufacturer rents a plant with the privilege of buying. He finds that with 200 men employed he could make enough profit to pay rent and pay for the plant in three years, and with 150 men employed he could do the same in five years. He employs, however, 100 men for three years, and for the next eighteen months enough men to complete the payment for the plant. How many men does he finally employ?

Second and Third Grades.

Second grade applicants answer the first ten; third grade applicants, class B, the last ten.

1. A boy can split a cord of wood in 3 hours and pile it in 45 minutes. How many cords can he split and pile in 9 hours?
2. How much water must be added to 80 gallons of wine 80% pure to make it 50% pure?
3. How much will be gained or lost in buying a bill of goods listed at $1,000.00 at a discount of 20% and 10% off from the list, and selling them at 10% above the list price?
4. Find the area of a triangle whose hypotenuse is 50 ft. and whose base is 40 ft.
5. A roof consists of 4 triangles each having a base of 20 ft., and an altitude of 15 ft. What will it cost to shingle it at $2.50 per thousand for shingles, and $1.00 per thousand for laying them?

If an applicant does not know the amount of space that 1,000 shingles will cover, the examiner may give such information, but deduct three points from the credit for the correct solution.

6. How much farther does a person go in travelling around a section of land from the northeast corner to the southwest corner than in going in a "bee line" from corner to corner?
7. Give your method for teaching each of the following:
   (a) Subtracting when the figure of the subtrahend is larger than the corresponding figure of the minuend.
   (b) Reducing fractions to lowest terms.
   (c) Multiplying mixed numbers.
8. (a) What equivalents do you have pupils learn in percentage?
   (b) What is your method of teaching "the multiplication table?"
9. Make a problem whose solution would involve the following indicated operations:

$$\frac{1800}{\frac{3}{4}\text{ of }160}\times 12\tfrac{1}{2}.$$

10. If $\frac{3}{4}$ of an acre of land is sold for $\frac{7}{8}$ of what it cost, what is the gain or loss per cent?
11. (a) How many hours in this month?
    (b) How many grains in a pound Troy?
    (c) How many cu. in. in a gallon?
12. If 10 men can build 108 ft. of wall in 6 days, how many feet can 15 men build in 5 days?
13. Draw a note due in 6 months at the legal rate of interest for such a sum that it will amount to $1,000.00 when due.
14. How many revolutions does a wagon wheel $3\frac{1}{2}$ ft. in diameter make in going a mile?
15. A milk dealer buys daily 27 ten gallon cans of milk at $1.75 a can, and sells it at 7 cents a quart. If he keeps three delivery wagons at an expense of $3.00 each per day, what is his gain in a year, Sundays included?

Class A.

1. Give your method for teaching each of the following:
   (a) Subtracting when the figure of the subtrahend is larger than the corresponding figure of the minuend.
   (b) Reducing fractions to lowest terms.
   (c) Multiplying mixed numbers.
2. (a) What equivalents do you have pupils learn in percentage?
   (b) What is your method of teaching "the multiplication table?"
3. (a) How many hours in this month?
   (b) How many grains in a pound Troy?
   (c) How many cu. in. in a gallon?
4. If 10 men can build 108 ft. of wall in 6 days, how many feet can 15 men build in 5 days?

5. If $\frac{3}{4}$ of a farm is worth $12,000, what is $\frac{3}{4}$ of it worth?
6. Multiply $128\frac{3}{8}$ by $12\frac{1}{2}$ without reducing either number to an improper
   a decimal, and explain the work.
7. A man sold $12\frac{1}{2}\%$ of his quarter section of land for $2,000. How mu
   ceive per acre?
8. Outline a third grade lesson in numbers according to the State Manual a
   Study.
9. Give and solve a problem that can be solved by cancellation, explaining
10. Estimate the dimensions of the room in which you are writing this exam
    make a diagram of the same on a scale of 40 ft. to the in.

MENTAL ARITHMETIC.

All Grades.

NOTE.—(1) Distribute these lists among all the applicants, placing them face down upo
(2) Each applicant write his number or name across the back of the list.
(3) At a signal from the commissioner, all reverse the papers and in the *right-hand mo*
as many answers to the questions as possible in 15 *minutes*.
(4) At the second signal, all again reverse the papers when they will at once be collec
examiners.
Give *one credit* for each correct answer written, making 20 credits for this part of the exa

1. From the product of $\frac{1}{2}$ and $\frac{3}{8}$ take $\frac{1}{3}$ of $\frac{1}{4}$.
2. $\frac{2}{3}$ is what part of $\frac{5}{8}$?
3. What number sustains the relation to 28 that 3 does to 4?
4. How many pints in a barrel?
5. What is the difference between $\frac{3}{4}$ ton and $\frac{3}{4}$ oz.?
6. What is the cost of digging a cellar 6 ft. deep, 10 ft. long, and 9 ft. wide, a
   per cu. yd.?
7. How many board feet in a timber 8 in. wide, 12 ft. long, and 6 in. thick?
8. How many quarter in. cubes are in a cube 4 in. on each side?
9. What is the ratio of a 2 in. square to a 9 in. square?
10. Divide $21 between A and B giving A one-half as much as B.
11. James and John start from the same point and walk in opposite directions until
    are 20 miles apart, James walking $3\frac{1}{3}$ miles while John walks 5. How fa
    John walk?
12. What is the per cent of profit on goods bought at 10 cents and sold at $12\frac{1}{2}$?
13. How much money must be sent to an agent that he may invest $200.00 and
    his commission of $2\frac{1}{2}\%$?
14. The principal is $300, the time 2 years, the amount $330. What is the rate?
15. How many horses at $75 can be bought for $13,800?
16. What per cent of 40 qts. is 2 bu.?
17. What per cent of B's money is A's if $\frac{2}{3}$ of A's equals $\frac{3}{4}$ of B's?
18. What time is it when $\frac{1}{3}$ the time past noon equals the time to midnight?
19. What is the market value of 10 shares of stock with a par value of $50 if the
    quoted 20% above par?
20. If I invest $5,000 in stock quoted at 25% premium, how much stock will

BOTANY.

First Grade.

1. What are the two great divisions of the vegetable kingdom? Upon what
   this division made?
2. Name and describe an example of each of the following: saprophyte, ep
   parasite.
3. Give in detail the anatomy of a kernel of corn.
4. Define a stem and describe four kinds.
5. Describe the carbon assimilation of plants.
6. Define perianth, petiole, node, receptacle, pollination.
7. Name five plants having flowers that are perfect, regular, and complete.
8. Describe a plant cell. How do cells grow or develop?

2. Give the following concerning members of Congress:
   (a) Qualifications?
   (b) Term of office?
   (c) Salary?
3. (a) What U. S. Senator has declared that he is not a candidate for re-election?
   (b) When and how will his successor be elected?
4. (a) What advantage is it to a territory to become a state?
   (b) What valid objections are there to admitting the present territories to statehood? Why?
5. (a) Should an alien be allowed to vote before he is naturalized? Why?
   (b) Mention a state in which women have the right of suffrage.
6. Discuss the veto power.
7. (a) What are copyrights and patent laws?
   (b) Mention three of the military powers of Congress.
8. State the constitutional provisions with relation to the following:
   (a) Bill of attainder.
   (b) Drawing money from the treasury.
   (c) Titles of nobility.
9. Mention five duties of either the county clerk or the supervisor of the township.
10. Give the name and compensation of four of the following officers in your county.
   (a) Sheriff.
   (b) Treasurer.
   (c) Judge of probate.
   (d) Commissioner of schools.
   (e) School examiners.
   (f) Superintendent of the poor.
11. (a) What are the county buildings?
   (b) How are they voted for and built?
   (c) Who has control of them?
12. Tell the method of raising money to build a "town hall."
13. Who make the ordinances of a city? Who executes them?
14. (a) Name the township officers.
   (b) School district officers.
15. Describe the method of voting for township, county, and state officers.

GENERAL HISTORY.

First Grade.

1. What was the purpose of the Hanseatic League? Was this accomplished? Why?
2. (a) Define chivalry.
   (b) Discuss the advantages and disadvantages of feudalism.
3. What present day nations are Teutonic and what characteristics of the early Teutons do they still possess?
4. (a) What is a ukase? Mention some given by the present Czar.
   (b) Define mutiny, anarchy, revolt.
5. When and how was the present republic of France established?
6. State the effect of the fall of Rome upon the history of the world.
7. State some ways in which Great Britain has become more democratic in the past century.
8. Give an account of the quarrel of Henry VIII with the Pope and the far reaching effects.
9. What is the present condition of Norway and Sweden (a) as to government, (b) as to military power, (c) commercially, (d) industrially, (e) educationally.
10. Who were the Girondists, Jacobites, Roundheads, Hussites, Albigenses, Jesuits, Lollards.

Second Grade.

1. Who was Lycurgus and what did he do for popular government in Greece?
2. Why was the Peace of Augsburg significant?
3. Compare the Roman republic with our own.
4. Give an account of the War of the Roses.
5. What were the causes of the French Revolution of 1792? Do you think this could have been averted? Why?

6. What was the Magna Charta? When and by whom was it given? What has been its influence upon the English government?
7. When and how did Germany become a united kingdom?
8. What geographical features of Spain have aided in making her history? Illustrate.
9. How is Ireland governed? Why does this cause trouble? Name some of her advocates.
10. What are the recent developments in Russian affairs, both internal and with foreign nations?

GEOGRAPHY.

First Grade.

1. What is the present condition of the government in Norway and Sweden? How would their separation affect the "balance of power" in Europe?
2. Explain briefly the Moroccan trouble between Germany and France.
3. What lines of trade would be affected by a boycott of American goods by China?
4. How was American geography changed as a result of the Lewis and Clarke expedition?
5. Locate Chicago *accurately*, then give distance and direction of the following cities from Chicago: New York, Seattle, Winnipeg, Charleston, Grand Rapids.
6. Name the river systems of Asia, and describe the climate and productions of the country included in each.
7. For what are the following cities noted: Duluth, Berlin, Glasgow, Calcutta, Philadelphia, Rome, Athens, Paris, New Orleans, Los Angeles?
8. Name the exports from the United States to England. From Africa to the United States.
9. Define floodplain, geyser, mountain system, oceanic islands, barrier reef.
10. Describe in detail the topography of the North Central States.

Second Grade and Third Grade, Class B.

Applicants for second grade answer first ten; for third grade, last ten.

1. Describe the Panama Canal zone. How is it to be governed?
2. (a) Name the principal industries of South America.
   (b) Which country of South America leads in education, in agriculture, in mining?
3. Name and locate ten seaports of Europe.
4. Name the chief islands of the East Indies or the Australasian group. Name the country that exercises jurisdiction over each.
5. Locate the standard time meridians of the United States. Name a city on or near each.
6. Name five cities of Canada and indicate the pronunciation of each.
7. From what countries do we import hides, lumber, wines, coffee, spices.
8. Name the cotton producing states. In what states is the cotton manufactured into cloth?
9. In what city or cities of Michigan are the following articles manufactured: automobiles, furniture, carriages, stoves and furnaces, school desks and tables?
10. Define erosion, zone, latitude, divide, sand dune.
11. Give the soil, surface, and productions of Italy.
12. Name the capes and bays on the East coast of North America.
13. Name the river systems of North America and give the slope direction of each.
14. Locate Odessa, Japan Sea, Harbin, Colon, Warsaw.
15. Draw to scale of one-fourth inch to the mile a map of your county, locate townships cities, lakes, streams, etc.

Class A.

1. Give briefly an outdoor lesson on slope, divides, rivers, plains.
2. Outline your method of map drawing.
3. Give several uses of the sand table, globe, maps.
4. What collections have you had the children make?
5. How do you teach the pronunciation of geographical names?
6. Define geography, and the three divisions of it.
7. Which is preferable, oral or written descriptions? Why?
8. Define erosion, zone, latitude, divide, sand dune.
9. Name the capes and bays on the East Coast of North America.
10. Draw to scale of one-fourth inch to the mile a map of your county, locate townships, cities, lakes, streams, etc.

GEOMETRY.

First Grade.

NOTE.—Each applicant should provide the proper instruments for this work. No geometry work will be "indorsed" unless figures are accurately drawn. All demonstrations must be made with use of proper figures, unless otherwise stated. All problems of construction are to be *line* constructions and must be accurately done.

1. How is a line divided when drawn from the side of a parallelogram through the middle point of the diagonal to the opposite side? Give proof.
2. In a triangle A B C, A B is 12 feet long; A C, 10 feet long; B C, 8 feet long. If a line is drawn bisecting each angle, what are the lengths of the segments of opposite sides? Demonstrate one of the cases.
3. Give in terms of the radius the following:
   (a) The perpendicular of the circumscribed equilateral triangle.
   (b) The side of the inscribed equilateral triangle.
   (c) The side of the inscribed square.
   (d) The side of inscribed regular octagon. Give algebraic demonstration.
4. Give points of proof in some demonstration to find the ratio of the radius of a circle to its circumference.
5. Give three cases in which a line is a mean proportional between two other lines. No proof necessary.
6. If each of the angles at the base of an isosceles triangle is one-fourth of the vertical angle, every line perpendicular to the base forms an equilateral triangle with the other two sides, produced when necessary. Demonstrate.
7. Two circles are tangent to each other externally and each is tangent to a third circle internally. Show that the perimeter of the triangle formed by joining the three centers is equal to the diameter of the external circle.
8. To construct a square equivalent to the sum of several squares.
9. Divide a triangle into two equivalent parts by a line parallel to one side. Explain.
10. (a) In a given circle inscribe three equal circles tangent to each other and to the given circle.
    (b) Compute in terms of the radius of the large circle the area of the space inclosed at its center by the three circles.

GRAMMAR.

First Grade.

1. (a) In what grade of work should the analysis of sentences be introduced? Why?
   (b) In what grade of work should the synthesis of sentences be introduced? Why?
   (c) Define each of the terms used in (a) and (b).
2. How much time do you give to word study, derivatives, prefixes, suffixes, and their meanings, in connection with etymology? Justify your practice.
3. Give six rules for forming plurals and illustrate each.
4. Give eight uses of a noun in a sentence and illustrate each.
5. Name five standard authors in grammar and classify adjectives according to one of them. Give reasons for such a classification.
6. Correct the syntax of the following sentences giving reasons:
   (a) John don't understand this rule.
   (b) I proved it to be he who was to blame for the accident.
   (c) There are two teachers, prosperity and adversity; the former is great, but the latter is geatest.
   (d) Isabel looks real well in her new hat.
   (e) The blast blew the rock in fragments.
   (f) England is not as large as Russia.
   (g) I bought this dress at Arnold's and Constable's store on Broadway.
   (h) I do not know what is the matter of her.
7. Conjugate the verb teach in the subjunctive mode, progressive form.
8. Classify conjunctions according to your author, naming him. Illustrate.
9. Define comparison, conjunctive adverb, gerund, defective verb, auxilliary verb.
10. Show that only a factitive verb can be followed by the objective complement construction.

Second Grade and Third Grade, Class B.

Applicants for second grade answer first ten; for third grade, last ten.

1. Explain and illustrate correlative or corresponding conjunctions.
2. Distinguish between a restrictive adjective clause and an ordinary adjective clause.
3. Explain as to a class the difference between participles and infinitives.
4. Name the three participle forms and state what each expresses.
5. (a) Give your method of teaching the declension of pronouns.
   (b) What pronouns are not declined?
6. Analyze: You should remember that you can teach a class grammar only when you are master of the subject, and that the more you study, the easier will be your task.
7. Define transitive and intransitive verbs, and show two ways by which a verb usually transitive may become intransitive.
8. State and illustrate the different ways in which a noun may be in the objective case.
9. Define mode, name the modes, and state what tenses are used in each.
10. Name the interrogative pronouns, and state in what cases each may be used.
11. Give the rules for forming the plural of proper nouns, and the rules for forming the possessive of firm-names.
12. Parse the italicized words in the following sentence:

    "I *know* not *where* His islands lift
    Their *fronded* palms in air;
    I *only* know I cannot drift
    Beyond His *love* and care."

13. Define etymology, syntax, phrase, conjunction, adverb.
14. Classify sentences according to structure, and give examples of each.
15. Define comparison, conjugation, declension, adverbial objective, attribute complement.

Class A.

1. What is the scope of language work for the first four grades?
2. How much of punctuation would you teach in these grades?
3. Would you require any original story writing in these grades? Why?
4. Define mode, name the modes, and state what tenses are used in each.
5. Write a letter to the mother of one of your boys explaining why [illegible] school.
6. How do you teach the proper use of adverbs and adjectives [illegible]?
7. Discriminate between the use of well and good. [illegible] and sweetly.
8. Give the rules for forming the plural of proper nouns and the rules for forming the possessive of firm-names.
9. Parse the italicized words in the following sentence:

    "I *know* not *where* His islands lift
    Their *fronded* palms in air;
    I *only* know I cannot drift
    Beyond His *love* and care."

10. Write a story such as you would expect the average pupil of the [illegible] on the subject, "The Robin's Nest."

ORTHOGRAPHY.

All Grades.

1. (a) Write names of the diacritic marks used to [illegible]
   (b) Discuss phonetic spelling.
2. Name the organs of speech. What letters are formed [illegible] of these organs?
3. Define language, aphthong, labial, [illegible]
4. Give five rules for pronunciation.
5. "Proverbs, like the sacred books of each nation [illegible] That which the droning world, chained to [illegible] to say in his own words, it will suffer him to say [illegible] diction."
   (a) Give the etymology of five derivative words [illegible]
   (b) Name synonyms for appearances, [illegible]

LIST OF WORDS.

All Grades.

1. maneuvers.
2. smiling.
3. daisies.
4. tomato.
5. thieves.
6. epitaph.
7. cylinder.
8. lachrymal.
9. peninsula.
10. phrase.
11. intercostal.
12. peasant.
13. peculiarly.
14. triumph.
15. scanning.
16. financier.
17. graduate.
18. napkin.
19. chargeable.
20. tariff.
21. aliquot.
22. Morocco.
23. cellar.
24. Osceola.
25. compulsory.
26. twelfths.
27. soot.
28. syntax.
29. accusative.
30. madding.
31. yeast.
32. gerund.
33. Wyandotte.
34. fuel.
35. grandeur.
36. bullion.
37. nominee.
38. judiciary.
39. neutral.
40. diverse.
41. mucous.
42. erosion.
43. sarcasm.
44. conjugation.
45. solitary.
46. frolicking.
47. Arkansas.
48. punctuate.
49. synopsis.
50. naught.

PHYSICS.

First Grade.

1. Explain and illustrate parallelogram of forces.
2. How long will it take a two horse power engine to raise 5 tons 100 feet?
3. Give the laws of the pendulum. If one pendulum is four times as long as another what are their relative periods of oscillation?
4. Give Pascal's law of liquids. How do you find the pressure on any vertical surface?
5. (a) Describe a sound wave.
   (b) What is the relation of intensity to amplitude, intensity to distance, intensity to area?
6. Define temperature, thermometer, coefficient of expansion, conductivity, liquefaction.
7. Give the laws of fusion, and the laws of evaporation.
8. (a) Show by a figure that the image formed by a convex mirror is erect, diminished, and virtual.
   (b) The distance of an object from a convex mirror is equal to the radius of curvature. Show that the length of the image will be one-third that of the object.
9. What are the Fraunhofer lines? Give the laws of the spectra.
10. (a) Describe a Grove cell or any other you may have used.
    (b) Give advantages of cells in parallel; in series.
    (c) Describe a Wheatstone bridge.

Second Grade.

1. Name the properties of matter. Are they equally important, and why? Upon what do they depend?
2. Define energy, horse power, foot pound.
3. Give the laws of falling bodies. Make and solve a problem under one of them.
4. (a) When will a body float?
   (b) A body weighs 240 grams in air and 200 in water. What is its specific gravity?
5. Explain how sound is produced and why it travels faster through metals than through air.
6. Explain the several methods by which heat is transmitted. Why will a stove that is "jacketed" heat a room quicker and more evenly than an "unjacketed" one?
7. Define the terms transparent, opaque, shadow, image, mirror.
8. By use of a figure explain why the image appears as far behind the mirror as the object is in front.
9. Define static electricity, electrical field, volt, electroscope, resistance.
10. (a) Give Ohm's law.
    (b) Describe an induction coil.

PHYSIOLOGY.

First Grade.

1. Discuss the "laboratory" method" as applied to physiology. Give three demonstrations which you would use and tell what each illustrates.
2. Classify joints and give an example of each.
3. Describe fully the liver and state its functions.
4. (a) State four facts which should early be taught the child in regard to hygiene of the ear.
   (b) What is the meatus, tympanum. stirrup, Eustachian tube?
5. What classes of foods are needed to repair (a) impoverished blood, (b) muscular tissue, (c) osseous tissue? Why? Name an example of each class.
6. Define osmosis. Why is it necessary? How is it effected?
7. What is tuberculosis? What efforts are being made in Michigan to destroy it?
8. (a) Describe the structure and composition of a nerve.
   (b) Why will cold water usually revive a fainting person?
9. (a) What is alcohol?
   (b) Compare the effects of alcohol and vigorous exercise upon the heart; upon the special senses.
10. What is perspiration? What is its purpose?

Second Grade and Third Grade, Class B.

Applicants for second grade answer first ten; for third grade, last ten.

1. Locate and describe sweat glands; sebaceous glands.
2. Name the parts of the alimentary canal. State how one of these parts aids digestion.
3. What are sensory nerves? Name and locate three.
4. State the effects of alcohol upon the special senses.
5. What is lymph and what its functions?
6. Describe the skeleton of the arm and hand.
7. (a) Name five communicable diseases.
   (b) Mention some facts which the State Board of Health require to be taught in regard to communicable diseases.
8. (a) Describe correct respiration.
   (b) What is the harm of mouth breathing? How may this be remedied?
9. Why is it necessary that the blood be purified? How is this accomplished?
10. (a) Why are fruit and vegetables good food for this time of year?
    (b) Describe the larynx. How does it aid in producing speech?
11. Trace the digestion of fat until it reaches the blood.
12. (a) Describe nerve tissue.
    (b) Name three cranial nerves.
13. Why is an adult more apt to be injured by a fall than a child?

Class A.

1. Describe two ways of ventilating a school room without causing a draft.
2. What reasons do you give children of the primary grades for abstaining from the use of cigarettes?
3. Mention five hygienic habits which you ask your pupils to acquire regarding skin and teeth.
4. What do you understand by the term "a nervous child?" What special habits should you teach such a child?
5. Describe the skeleton of the arm and hand.
6. (a) Describe correct respiration.
   (b) Describe a correct standing position.
7. Trace the digestion of fat until it becomes flesh.
8. Name three circulatory systems of the body and describe and give functions of one.
9. Why is an adult more apt to be injured by a fall than a child?
10. What would you do for a child which had been stung? in case of a sprained ankle?

READING.

All Grades.

Answer ten questions.

"Elegy Written in a Country Churchyard."

1. Give in your own words the introduction. Is this description in keeping with the solemn theme which follows? Why?
2. "The breezy call of incense-breathing morn,
   The swallow twittering from the straw-built shed,
   The cock's shrill clarion, or the echoing horn,
   No more shall rouse them from their lonely bed.

   For them no more the blazing hearth shall burn,
   Or busy housewife ply her evening care;
   No children run to lisp their sire's return,
   Or climb his knees the envied kiss to share."

   Why do you think Gray selected the foregoing incidents?
3. After all what is the real difference between the rich and the poor?
4. "The boast of heraldry, the pomp of power,
   And all that beauty, all that wealth e'er gave,
   Awaits alike the inevitable hour,
   The paths of glory lead but to the grave."

   How does this thought make us feel toward humanity?
5. (a) What part do "Knowledge" and "Penury" play now in the development of people?
   (b) Why are not all men great who might be?
6. Name some virtues mentioned by Gray which, while the poor usually keep them unsullied, the rich have ignored in the race for greatness.
7. What feelings do the "uncouth rhymes," "shapeless sculpture," and the entire description of the rustic churchyard, arouse? Why?
8. (a) Why would the poet's inference to Hampden, Milton, and Cromwell appeal to his readers?
   (b) Who were these men?
9. Interpret the following:

   "On some fond breast the parting soul relies,
   Some pious drops the closing eye requires;
   Even from the tomb the voice of Nature cries,
   Even in our ashes live their wonted fires."

10. (a) Give meaning of listless length, heath, dirges, graved, hard by.
    (b) Explain the figures in the following:

    "Let not Ambition mock their useful toil,
    Their homely joys and destiny obscure;
    Nor grandeur hear with a disdainful smile,
    The short and simple annals of the poor."

11. What is an elegy? Why is this elegy the "most widely known poem in our language?"
12. Give in your own words the thought of the epitaph.
13. Who was Thomas Gray and what was the quality and aim of his productions?
14. Has this poem increased your love of nature? Changed your attitude toward humanity? Altered your opinion of the relations of rich and poor? If so, how?

SCHOOL LAW.

All Grades.

Applicants for first grade answer all; other grades, any five.

1. Give the substance of three amendments to the school laws made last legislature.
2. Who is the legal librarian in a school district? In a township?
3. *(a) Why should* a teacher insist that he be hired at a board me

(b) Why should he insist that a proper contract be made out and signed by all proper parties before the opening of school?

4. Who constitute the township board of school inspectors? Of what importance is this board?
5. For what purpose only can library moneys be used? Whose duty is it to see that they are used according to law?
6. Name the legal holidays.
7. Does the legal requirement that a teacher shall possess good moral character cover his entire life, or simply the school year? Why?
8. Why should teachers make all required reports to school board, and to the commissioner promptly at the end of each term and at the end of the year?

STATE MANUAL AND COURSE OF STUDY.

All Grades.

1. What is a course of study?
2. Give its advantages and disadvantages.
3. Give the work of second grade as outlined in the State Manual and Course of Study.
4. When should text-books in arithmetic, penmanship, and geography be introduced?
5. What is the general idea of the Course of Study in the teaching of geography in the lower grades?
6. What is the attitude of the Course of Study towards language teaching by written and by oral work?
7. Mention eight topics treated under "commercial geography."
8. Mention three devices suggested by the Course of Study for teaching arithmetic.
9. (a) In what grade is book-keeping recommended?
   (b) How many books are suggested?
10. What criticisms or changes would you recommend in the State Manual and Course of Study?

THEORY AND ART.

All Grades.

Applicants for first grade answer first ten; other grades, last ten.

1. Describe apperception and explain its value.
2. Name the primary faculties. Is the teacher to train them all? Why?
3. What is the relation of clear ideas to the will?
4. Upon what basis should promotions be made? Why?
5. Mr. Hinsdale gives five steps in the "recitation lesson." Name them and briefly explain each.
6. Explain inductive teaching. When may deductive methods be used?
7. Occasionally we find teachers who have some of the following bad habits: repeating answers of pupils, calling on pupils in rotation, interrupting pupils when reciting, permitting concert recitations, repeating questions for inattentive pupils, permitting pupils to correct mistakes of one reciting, standing behind the class or walking around the room during reading lessons, threatening pupils, using sarcasm, using slang, permitting pupils to pronounce words or prompt the one who is reciting.

   Express your opinion of each.
8. Define attention and give some of the external signs of attention mentioned by Mr. Hinsdale.
9. Explain voluntary and involuntary attention.
10. What have the physical conditions of a school room to do with good school work?
11. What does Mr. Hinsdale say of the lack of thoroughness in our schools? Whose fault?
12. Give your plan of teaching spelling (a) to third grade, (b) to eighth grade.
13. Give your plan of teaching writing in a rural school.

NOTE.—Actual, not theoretical.

14. Name the representative powers of the mind and define one of them.
15. Define psychology, pedagogy, teacher.

UNITED STATES HISTORY.

First Grade.

1. In what way do you teach civic ideals? Illustrate.
2. Give the substance of the first ten amendments to the Constitution. Why were they adopted?
3. Give the chief provisions of the Ordinance of 1787.
4. (a) Compare the financial panic of 1873 with that of 1893.
   (b) How did the resumption of specie payment affect the conditions caused by the Rebellion?
5. Give the provisions of the Reconstruction Act. How did President Johnson regard this?
6. Tell of Stevens T. Mason's services to Michigan.
7. When and how were the Philippines acquired? How is their condition being improved? How are they governed?
8. Name some treaties now in force between United States and Great Britain and state the chief provisions of one of them.
9. What was Alexander Hamilton's financial policy and how did this strengthen the new government?
10. (a) Who is at present Secretary of State?
    (b) What services did his predecessor perform for the diplomatic policy of the United States?

Second and Third Grades.

Applicants for second grade answer first ten; for third grade, last ten.

1. (a) What do you understand by the "negro problem" of to-day?
   (b) What is the present industrial condition of the South?
2. Mention four events which aided in opening and settling the great West.
3. Compare the political campaign of 1860 with that of 1904.
4. Give an account of the settlement of Maryland.
5. When and where was the first legislative assembly held in America? Why was this significant?
6. Give five of the chief causes of the Revolution. Explain why you select these.
7. Who was Stevens T. Mason and what did he do for Michigan?
8. What and where was the Mason and Dixon line?
9. What was the turning point of the Rebellion. Give reasons for your answer.
10. Make a statement regarding any five of the following: John Hay, Elihu Root, Russell A. Alger, Lewis and Clarke Exposition, Russo-Japanese relations, Standard Oil System, John Paul Jones, Railway Rate Bill.
11. (a) When and by whom was the Declaration of Independence adopted? When was it signed?
    (b) What was the Dred Scot decision and why was it important?
12. Mention the important matters which claimed the attention of the people during the "Era of Good Feeling."
13. Give an outline of President Grant's administration.

IV. Questions prepared by the Superintendent of Public Instruction for the regular examination, October 19-20, 1905.

ALGEBRA.

Second Grade.

1. Simplify $x - \{3y + [2z - 5x - (x - y)] + 3x - (y + z)\}$.
2. Divide $a^5 - b^5$ by $(a^3 + b^3)(a + b) + a^2 b^2$.
3. Factor $x^8 - y^8$; $12c^2 + 7c - 12$; $3x^2 + x - 2$.
4. Find the L. C. M. of $c^2 - 5c + 4$, $c^2 - 6c + 8$, and $c^2 - 8c + 16$.
5. A can do a piece of work in 9 days, and B in 10 days. How long for both to do it working together?

6. Bought some apples at the rate of 4 for 5 cents, and sold them at the rate of 3 for 4 cents gaining 60 cents. How many did I buy?
7. After paying out $\frac{1}{m}$ and $\frac{1}{n}$ of my money I had b dollars left. How much had I at first?
8. Find values of the unknown quantities in terms of the known in the following:

$$\left\{\begin{array}{l} y + z - x = a. \\ x + y - z = b. \\ z + x - y = c. \end{array}\right\}$$

9. Expand $(2a + 3b)^5$ using binomial formula.
10. A man sold some land at such a rate that the price per acre was to the number of acres as 2 to 3. If he had received $270 more for it, the price per acre would have been to the number of acres as 3 to 2. Find price per acre and number of acres.

ARITHMETIC.

Second and Third Grades.

Applicants for second grade answer first ten; for third grade, last ten.

1 (a) What is the least number by which $\frac{8}{9}$, $\frac{9}{10}$, and $\frac{5}{6}$ can be multiplied to give, in each case, an integer for a product?

(b) Divide some number selected by yourself into integral parts having the ratios of $\frac{1}{2}$, $\frac{3}{4}$, and 3, respectively.

2. (a) What is the volume in cu. in. of a body that weighs 10 lbs. in air and 8 lbs. in water?

(b) The s. g. of cork is .24, of gold is 19.36. How much gold can be kept from sinking by a cu. ft. of cork?

NOTE.—In computing arithmetic problems in s. g. use 1,000 oz. as the weight of a cu. ft. of water.

3. A can do as much in a day as B in $1\frac{1}{2}$ days. If A can do a piece of work in 12 days, how long for them to do the work together?
4. Sold two horses at $120 each. On one I lost 25 per cent, on the other I gained enough to retrieve this loss. What per cent did I gain?
5. When a certain number is divided by 45 there is a remainder of 30. What would be the remainder if the number were divided by 9?
6. Give the following tables using proper abbreviations: linear measure, square measure, liquid measure, and avoirdupois weight.
7. Mr. Charles Brown has a note for $250 at 6 per cent interest per annum, running two years, which was given in Detroit $15\frac{1}{2}$ months ago to John R. Clark and by Clark properly indorsed to Brown. Draw the note, making proper indorsement and find the interest due today.

NOTE.—Five credits for note and five for solution.

8. Analyze: Ten per cent of a consignment of eggs were broken. At what per cent advance must the remainder be sold to realize a gain of 25 per cent?
9. Formulate and solve an example in both simple and compound proportion.
10. Illustrate in a township the following described parcel of land and find its value at $12.50 per acre: N. $\frac{1}{2}$ of N. E. $\frac{1}{4}$ of S. E. $\frac{1}{4}$, sec. 16.

NOTE.—Give five credits for correct illustration, and five for finding value.

11. Define (a) multiple, (b) factor, (c) cancellation, (d) decimal fraction, (e) abstract number, (f) ratio, (g) percentage, (h) per cent.
12. Give principles upon which the following operations are based: (a) reducing fractions to lower terms, (b) reducing fractions to a common denominator, (c) pointing off in multiplication of decimals, (d) dividing percentage by rate to find the base.
13. At $2.50 per rod what will it cost to fence a square field containing 10 acres?
14. A jobber retails at a gain of 25 per cent and discounts this price 20 per cent and 10 per cent for cash. What per cent are his profits on cash sales?

MENTAL ARITHMETIC.

All Grades.

NOTE.—(1) Distribute these lists among all the applicants, placing them face down upon the desks.
(2) Each applicant write his number or name across the back of the list.
(3) At a signal from the commissioner, all reverse the papers and in the *right-hand margin* write as many answers to the questions as possible in 15 *minutes*.
(4) At the second signal, all again reverse the papers when they will at once be collected by the examiners.
Give *one credit* for each correct answer written, making 20 credits for this part of the examination.

1. Multiply 25 by $12\frac{1}{2}$.
2. Divide $75.25 among 25 persons.
3. If $\frac{3}{4}$ cord of wood costs $1.20, what will 2 cords cost?
4. Add 12 twos, 13 threes, and 15 fives.
5. In 10 dozen, how many score?
6. In 11,000 pecks how many bushels?
7. How many acres in a quarter section of land?
8. What part of $16\frac{2}{3}$ per cent is $12\frac{1}{2}$ per cent?
9. The ratio of wheat in one bin is $83\frac{1}{3}$ per cent of that in another, which has 60 bushels. How much in the first bin?
10. Horse and carriage are worth $150. The horse is worth 4 times as much as the carriage. Value of the horse?
11. How many board feet in a timber 6 x 8 and 30 ft. long?
12. 1,000 shingles cover a square. How many for a roof 40 ft. by 80 ft.?
13. How many pints in a half-barrel cask?
14. How many ounces in $5\frac{1}{2}$ lbs. avoirdupois?
15. Sold for 5 cents gaining 100 per cent. What was the cost?
16. Sold for 10 cents losing 2 cents. What was the loss per cent?
17. If a square piece of land yields 2 bushels of potatoes, what will a square piece three times as long yield?
18. Bought goods at 10 per cent and 5 per cent off. What per cent of the bill will settle the account?
19. $\frac{2}{3}$ of A's money is $\frac{1}{2}$ of B's and both have together 42 cents. How much has each?
20. John cuts a cord of wood in 8 hours, James in 12 hours. How long for them to cut a cord working together?

BOTANY.

Second Grade.

1. Describe the leaves of the following trees: maple, oak, horse chestnut, beech, birch.
2. Name the different kinds of roots.
3. Define resting bud, accessory bud, terminal bud.
4. Name the parts of a leaf.
5. Name three climbing plants; two running plants.
6. Name five varieties of shrubs.
7. What is the value of insects in a flower garden? In an orchard?
8. Define raceme, spadix, catkin, umbel, cyme, and give examples.
9. Name five plants having perfect flowers.
10. Define estivation, inflorescence, fruit, and name five fruit forms.

CIVIL GOVERNMENT.

Second and Third Grades.

Second grade applicants answer first ten; third grade, last ten.

1. (a) State some of the immunities given to congressmen.
   (b) State some of the prohibitions imposed upon states by the United States Constitution.
2. (a) What is done in case the electors fail to choose a President?
   (b) Why is this a wise provision?
3. Mention the principal duties of prosecuting attorney.
4. Name three appointive State officers together with principal duties.

5. (a) What territories desire admission to the Union?
   (b) What are some of the advantages which would be gained by such admission?
6. To which of the Departments would each of the following be referred:
   (a) A package lost in the foreign mail?
   (b) An estate belonging to an American dying in a foreign country?
   (c) A dispute over title to property in New Mexico?
7. Discuss the Constitution with reference to (a) copyright laws, (b) money and counterfeiting.
8. What powers has the President by and with the advice and consent of the Senate?
9. What oath or affirmation does the President take before he can enter upon the duties of his office?
10. (a) What is treason?
    (b) What are the constitutional provisions with respect to conviction of treason?
11. What rights of security are guaranteed to people in the Constitution?
12. The Michigan legislature:
    (a) How many members?
    (b) When and how chosen?
    (c) When do they meet?
    (d) How many must be present to transact business?
    (e) How do they choose officers?
    (f) How expel a member?
13. (a) Who is your State representative?
    (b) Who is your United States representative?
    (c) Who is your United States senator?
14. (a) How many justices of the peace may be in each township?
    (b) Over what cases do justices of the peace have exclusive jurisdiction?
15. State five facts relating to the election, powers, and duties of members of the county boards of school examiners.

GENERAL HISTORY.

Second Grade.

1. State the religion, government, and contributions to civilization of the early Egyptians.
2. Compare the early Grecian and the early Germanic organization.
3. Describe the rise and spread of Christianity in the Roman Empire. Why was it opposed?
4. Name the four conquests of England and state the lasting effects produced by each.
5. Give an account of the quarrel between Henry IV. and Hildebrand.
6. What was the object of the Puritan movement in England, who were some of the leaders, and what was accomplished?
7. State the benefits of Napoleon's government to France.
8. What part have Norway and Sweden played in European history and of what importance are these countries now?
9. (a) Name five European rulers of the present time.
   (b) Name three English statesmen.
   (c) Name two Russian statesmen.
   (d) Name two Japanese statesmen.
10. What was the Portsmouth Conference and what was accomplished by it?

GEOGRAPHY.

Second and Third Grades.

Applicants for second grade answer first ten; third grade, last ten.

1. State the changes in the geography of Asia that will result from the Russo-Japanese War.
2. Explain as to a class the rotation and revolution of the earth.
3. Define continental plateau, continental island, sinking coast, rock folds, detritus.
4. (a) Name the principal industries of Mexico, of Cuba, of Brazil.
   (b) What articles do we import from Mexico and what articles do we export to Mexico?

GEOMETRY.

First Grade.

NOTE.—Each applicant should provide the proper instruments for this work. No geometry work will be "indorsed" unless figures are accurately drawn. All demonstrations must be made with use of proper figures, unless otherwise stated. All problems of construction are to be *line* constructions and must be accurately done.

1. How is a line divided when drawn from the side of a parallelogram through the middle point of the diagonal to the opposite side? Give proof.
2. In a triangle A B C, A B is 12 feet long; A C, 10 feet long; B C, 8 feet long. If a line is drawn bisecting each angle, what are the lengths of the segments of opposite sides? Demonstrate one of the cases.
3. Give in terms of the radius the following:
   (a) The perpendicular of the circumscribed equilateral triangle.
   (b) The side of the inscribed equilateral triangle.
   (c) The side of the inscribed square.
   (d) The side of inscribed regular octagon. Give algebraic demonstration.
4. Give points of proof in some demonstration to find the ratio of the radius of a circle to its circumference.
5. Give three cases in which a line is a mean proportional between two other lines. No proof necessary.
6. If each of the angles at the base of an isosceles triangle is one-fourth of the vertical angle, every line perpendicular to the base forms an equilateral triangle with the other two sides, produced when necessary. Demonstrate.
7. Two circles are tangent to each other externally and each is tangent to a third circle internally. Show that the perimeter of the triangle formed by joining the three centers is equal to the diameter of the external circle.
8. To construct a square equivalent to the sum of several squares.
9. Divide a triangle into two equivalent parts by a line parallel to one side. Explain.
10. (a) In a given circle inscribe three equal circles tangent to each other and to the given circle.
    (b) Compute in terms of the radius of the large circle the area of the space inclosed at its center by the three circles.

GRAMMAR.

First Grade.

1. (a) In what grade of work should the analysis of sentences be introduced? Why?
   (b) In what grade of work should the synthesis of sentences be introduced? Why?
   (c) Define each of the terms used in (a) and (b).
2. How much time do you give to word study, derivatives, prefixes, suffixes, and their meanings, in connection with etymology? Justify your practice.
3. Give six rules for forming plurals and illustrate each.
4. Give eight uses of a noun in a sentence and illustrate each.
5. Name five standard authors in grammar and classify adjectives according to one of them. Give reasons for such a classification.
6. Correct the syntax of the following sentences giving reasons:
   (a) John don't understand this rule.
   (b) I proved it to be he who was to blame for the accident.
   (c) There are two teachers, prosperity and adversity; the former is great, but the latter is geatest.
   (d) Isabel looks real well in her new hat.
   (e) The blast blew the rock in fragments.
   (f) England is not as large as Russia.
   (g) I bought this dress at Arnold's and Constable's store on Broadway.
   (h) I do not know what is the matter of her.
7. Conjugate the verb teach in the subjunctive mode, progressive form.
8. Classify conjunctions according to your author, naming him. Illustrate.
9. Define comparison, conjunctive adverb, gerund, defective verb, auxilliary verb.
10. Show that only a factitive verb can be followed by the objective complement construction.

Second Grade and Third Grade, Class B.

Applicants for second grade answer first ten; for third grade, last ten.

1. Explain and illustrate correlative or corresponding conjunctions.
2. Distinguish between a restrictive adjective clause and an ordinary adjective clause.
3. Explain as to a class the difference between participles and infinitives.
4. Name the three participle forms and state what each expresses.
5. (a) Give your method of teaching the declension of pronouns.
   (b) What pronouns are not declined?
6. Analyze: You should remember that you can teach a class grammar only when you are master of the subject, and that the more you study, the easier will be your task.
7. Define transitive and intransitive verbs, and show two ways by which a verb usually transitive may become intransitive.
8. State and illustrate the different ways in which a noun may be in the objective case.
9. Define mode, name the modes, and state what tenses are used in each.
10. Name the interrogative pronouns, and state in what *cases* each may be used.
11. Give the rules for forming the plural of proper nouns, and the rules for forming the possessive of firm-names.
12. Parse the italicized words in the following sentence:

    "I *know* not *where* His islands lift
    Their *fronded* palms in air;
    I *only* know I cannot drift
    Beyond His *love* and care."

13. Define etymology, syntax, phrase, conjunction, adverb.
14. Classify sentences according to structure, and give examples of each.
15. Define comparison, conjugation, declension, adverbial objective, attribute complement.

Class A.

1. What is the scope of language work for the first four grades?
2. How much of punctuation would you teach in these grades?
3. Would you require any original story writing in these grades? Why?
4. Define mode, name the modes, and state what tenses are used in each.
5. Write a letter to the mother of one of your boys explaining why you kept him after school.
6. How do you teach the proper use of adverbs and adjectives to young pupils?
7. Discriminate between the use of well and good, bad and badly, nice and nicely, sweet and sweetly.
8. Give the rules for forming the plural of proper nouns, and the rules for forming the possessive of firm-names.
9. Parse the italicized words in the following sentence:

    "I *know* not *where* His islands lift
    Their *fronded* palms in air;
    I *only* know I cannot drift
    Beyond His *love* and care."

10. Write a story such as you would expect the average pupil in the fourth grade to write on the subject, "The Robin's Nest."

ORTHOGRAPHY.

All Grades.

1. (a) Write names of the diacritic marks used to designate the vowel sounds.
   (b) Discuss phonetic spelling.
2. Name the organs of speech. What letters are formed wholly or in part by any one of these organs?
3. Define language, aphthong, labial, elementary sound, syllable.
4. Give five rules for pronunciation.
5. "Proverbs, like the sacred books of each nation, are the sanctuary of the intuitions. That which the droning world, chained to appearances, will not allow the realist to say in his own word, it will suffer him to say in proverbs without contradiction."
   (a) Give the etymology of the derivative words in the above.
   (b) Name synonyms for droning, allow, sacred, proverb, suffer.

LIST OF WORDS.

All Grades.

1. maneuvers.
2. smiling.
3. daisies.
4. tomato.
5. thieves.
6. epitaph.
7. cylinder.
8. lachrymal.
9. peninsula.
10. phrase.
11. intercostal.
12. peasant.
13. peculiarly.
14. triumph.
15. scanning.
16. financier.
17. graduate.
18. napkin.
19. chargeable.
20. tariff.
21. aliquot.
22. Morocco.
23. cellar.
24. Osceola.
25. compulsory.
26. twelfths.
27. soot.
28. syntax.
29. accusative.
30. madding.
31. yeast.
32. gerund.
33. Wyandotte.
34. fuel.
35. grandeur.
36. bullion.
37. nominee.
38. judiciary.
39. neutral.
40. diverse.
41. mucous.
42. erosion.
43. sarcasm.
44. conjugation.
45. solitary.
46. frolicking.
47. Arkansas.
48. punctuate.
49. synopsis.
50. naught.

PHYSICS.

First Grade.

1. Explain and illustrate parallelogram of forces.
2. How long will it take a two horse power engine to raise 5 tons 100 feet?
3. Give the laws of the pendulum. If one pendulum is four times as long as another what are their relative periods of oscillation?
4. Give Pascal's law of liquids. How do you find the pressure on any vertical surface?
5. (a) Describe a sound wave.
   (b) What is the relation of intensity to amplitude, intensity to distance, intensity to area?
6. Define temperature, thermometer, coefficient of expansion, conductivity, liquefaction.
7. Give the laws of fusion, and the laws of evaporation.
8. (a) Show by a figure that the image formed by a convex mirror is erect, diminished, and virtual.
   (b) The distance of an object from a convex mirror is equal to the radius of curvature. Show that the length of the image will be one-third that of the object.
9. What are the Fraunhofer lines? Give the laws of the spectra.
10. (a) Describe a Grove cell or any other you may have used.
    (b) Give advantages of cells in parallel; in series.
    (c) Describe a Wheatstone bridge.

Second Grade.

1. Name the properties of matter. Are they equally important, and why? Upon what do they depend?
2. Define energy, horse power, foot pound.
3. Give the laws of falling bodies. Make and solve a problem under one of them.
4. (a) When will a body float?
   (b) A body weighs 240 grams in air and 200 in water. What is its specific gravity?
5. Explain how sound is produced and why it travels faster through metals than through air.
6. Explain the several methods by which heat is transmitted. Why will a stove that is "jacketed" heat a room quicker and more evenly than an "unjacketed" one?
7. Define the terms transparent, opaque, shadow, image, mirror.
8. By use of a figure explain why the image appears as far behi[illegible]irror as the object is in front.
9. Define static electricity, electrical field, volt, electroscope, resi[illegible]
10. (a) Give Ohm's law.
    (b) Describe an induction coil.

PHYSIOLOGY.

First Grade.

1. Discuss the "laboratory" method" as applied to physiology. Give three demonstrations which you would use and tell what each illustrates.
2. Classify joints and give an example of each.
3. Describe fully the liver and state its functions.
4. (a) State four facts which should early be taught the child in regard to hygiene of the ear.
   (b) What is the meatus, tympanum, stirrup, Eustachian tube?
5. What classes of foods are needed to repair (a) impoverished blood, (b) muscular tissue, (c) osseous tissue? Why? Name an example of each class.
6. Define osmosis. Why is it necessary? How is it effected?
7. What is tuberculosis? What efforts are being made in Michigan to destroy it?
8. (a) Describe the structure and composition of a nerve.
   (b) Why will cold water usually revive a fainting person?
9. (a) What is alcohol?
   (b) Compare the effects of alcohol and vigorous exercise upon the heart; upon the special senses.
10. What is perspiration? What is its purpose?

Second Grade and Third Grade, Class B.

Applicants for second grade answer first ten; for third grade, last ten.

1. Locate and describe sweat glands; sebaceous glands.
2. Name the parts of the alimentary canal. State how one of these parts aids digestion.
3. What are sensory nerves? Name and locate three.
4. State the effects of alcohol upon the special senses.
5. What is lymph and what its functions?
6. Describe the skeleton of the arm and hand.
7. (a) Name five communicable diseases.
   (b) Mention some facts which the State Board of Health require to be taught in regard to communicable diseases.
8. (a) Describe correct respiration.
   (b) What is the harm of mouth breathing? How may this be remedied?
9. Why is it necessary that the blood be purified? How is this accomplished?
10. (a) Why are fruit and vegetables good food for this time of year?
    (b) Describe the larynx. How does it aid in producing speech?
11. Trace the digestion of fat until it reaches the blood.
12. (a) Describe nerve tissue.
    (b) Name three cranial nerves.
13. Why is an adult more apt to be injured by a fall than a child?

Class A.

1. Describe two ways of ventilating a school room without causing a draft.
2. What reasons do you give children of the primary grades for abstaining from the use of cigarettes?
3. Mention five hygienic habits which you ask your pupils to acquire regarding skin and teeth.
4. What do you understand by the term "a nervous child?" What special habits should you teach such a child?
5. Describe the skeleton of the arm and hand.
6. (a) Describe correct respiration.
   (b) Describe a correct standing position.
7. Trace the digestion of fat until it becomes flesh.
8. Name three circulatory systems of the body and describe and give functions of one.
9. Why is an adult more apt to be injured by a fall than a child?
10. What would you do for a child which had been stung? in case of a sprained ankle?

READING.

All Grades.

Answer ten questions.

"Elegy Written in a Country Churchyard."

1. Give in your own words the introduction. Is this description in keeping with the solemn theme which follows? Why?
2. "The breezy call of incense-breathing morn,
   The swallow twittering from the straw-built shed,
   The cock's shrill clarion, or the echoing horn,
   No more shall rouse them from their lonely bed.

   For them no more the blazing hearth shall burn,
   Or busy housewife ply her evening care;
   No children run to lisp their sire's return,
   Or climb his knees the envied kiss to share."

   Why do you think Gray selected the foregoing incidents?
3. After all what is the real difference between the rich and the poor?
4. "The boast of heraldry, the pomp of power,
   And all that beauty, all that wealth e'er gave,
   Awaits alike the inevitable hour,
   The paths of glory lead but to the grave."

   How does this thought make us feel toward humanity?
5. (a) What part do "Knowledge" and "Penury" play now in the development of people?
   (b) Why are not all men great who might be?
6. Name some virtues mentioned by Gray which, while the poor usually keep them unsullied, the rich have ignored in the race for greatness.
7. What feelings do the "uncouth rhymes," "shapeless sculpture," and the entire description of the rustic churchyard, arouse? Why?
8. (a) Why would the poet's inference to Hampden, Milton, and Cromwell appeal to his readers?
   (b) Who were these men?
9. Interpret the following:

   "On some fond breast the parting soul relies,
   Some pious drops the closing eye requires;
   Even from the tomb the voice of Nature cries,
   Even in our ashes live their wonted fires."

10. (a) Give meaning of listless length, heath, dirges, graved, hard by.
    (b) Explain the figures in the following:

    "Let not Ambition mock their useful toil,
    Their homely joys and destiny obscure;
    Nor grandeur hear with a disdainful smile,
    The short and simple annals of the poor."

11. What is an elegy? Why is this elegy the "most widely known poem in our language?"
12. Give in your own words the thought of the epitaph.
13. Who was Thomas Gray and what was the quality and aim of his productions?
14. Has this poem increased your love of nature? Changed your attitude toward humanity? Altered your opinion of the relations of rich and poor? If so, how?

SCHOOL LAW.

All Grades.

Applicants for first grade answer all; other grades, any five.

1. Give the substance of three amendments to the school laws made by the last legislature.
2. Who is the legal librarian in a school district? In a township?
3. *(a)* Why should a teacher insist that he be hired at a board meeting.

(b) Why should he insist that a proper contract be made out and signed by all proper parties before the opening of school?

4. Who constitute the township board of school inspectors? Of what importance is this board?
5. For what purpose only can library moneys be used? Whose duty is it to see that they are used according to law?
6. Name the legal holidays.
7. Does the legal requirement that a teacher shall possess good moral character cover his entire life, or simply the school year? Why?
8. Why should teachers make all required reports to school board, and to the commissioner promptly at the end of each term and at the end of the year?

STATE MANUAL AND COURSE OF STUDY.

All Grades.

1. What is a course of study?
2. Give its advantages and disadvantages.
3. Give the work of second grade as outlined in the State Manual and Course of Study.
4. When should text-books in arithmetic, penmanship, and geography be introduced?
5. What is the general idea of the Course of Study in the teaching of geography in the lower grades?
6. What is the attitude of the Course of Study towards language teaching by written and by oral work?
7. Mention eight topics treated under "commercial geography."
8. Mention three devices suggested by the Course of Study for teaching arithmetic.
9. (a) In what grade is book-keeping recommended?
   (b) How many books are suggested?
10. What criticisms or changes would you recommend in the State Manual and Course of Study?

THEORY AND ART.

All Grades.

Applicants for first grade answer first ten; other grades, last ten.

1. Describe apperception and explain its value.
2. Name the primary faculties. Is the teacher to train them all? Why?
3. What is the relation of clear ideas to the will?
4. Upon what basis should promotions be made? Why?
5. Mr. Hinsdale gives five steps in the "recitation lesson." Name them and briefly explain each.
6. Explain inductive teaching. When may deductive methods be used?
7. Occasionally we find teachers who have some of the following bad habits: repeating answers of pupils, calling on pupils in rotation, interrupting pupils when reciting, permitting concert recitations, repeating questions for inattentive pupils, permitting pupils to correct mistakes of one reciting, standing behind the class or walking around the room during reading lessons, threatening pupils, using sarcasm, using slang, permitting pupils to pronounce words or prompt the one who is reciting.
   Express your opinion of each.
8. Define attention and give some of the external signs of attention mentioned by Mr. Hinsdale.
9. Explain voluntary and involuntary attention.
10. What have the physical conditions of a school room to do with good school work?
11. What does Mr. Hinsdale say of the lack of thoroughness in our schools? Whose fault?
12. Give your plan of teaching spelling (a) to third grade, (b) to eighth grade.
13. Give your plan of teaching writing in a rural school.

NOTE.—Actual, not theoretical.

14. Name the representative powers of the mind and define one of them.
15. Define psychology, pedagogy, teacher.

6. Bought some apples at the rate of 4 for 5 cents, and sold them at the rate of 3 for 4 cents gaining 60 cents. How many did I buy?
7. After paying out $\frac{1}{m}$ and $\frac{1}{n}$ of my money I had b dollars left. How much had I at first?
8. Find values of the unknown quantities in terms of the known in the following:

$$\left.\begin{array}{l} y + z - x = a. \\ x + y - z = b. \\ z + x - y = c. \end{array}\right\}$$

9. Expand $(2a + 3b)^5$ using binomial formula.
10. A man sold some land at such a rate that the price per acre was to the number of acres as 2 to 3. If he had received $270 more for it, the price per acre would have been to the number of acres as 3 to 2. Find price per acre and number of acres.

ARITHMETIC.

Second and Third Grades.

Applicants for second grade answer first ten; for third grade, last ten.

1 (a) What is the least number by which $\frac{8}{5}$, $\frac{9}{10}$, and $\frac{5}{6}$ can be multiplied to give, in each case, an integer for a product?

(b) Divide some number selected by yourself into integral parts having the ratios of $\frac{1}{2}$, $\frac{3}{4}$, and 3, respectively.

2. (a) What is the volume in cu. in. of a body that weighs 10 lbs. in air and 8 lbs. in water?

(b) The s. g. of cork is .24, of gold is 19.36. How much gold can be kept from sinking by a cu. ft. of cork?

NOTE.—In computing arithmetic problems in s. g. use 1,000 oz. as the weight of a cu. ft. of water.

3. A can do as much in a day as B in $1\frac{1}{2}$ days. If A can do a piece of work in 12 days, how long for them to do the work together?
4. Sold two horses at $120 each. On one I lost 25 per cent, on the other I gained enough to retrieve this loss. What per cent did I gain?
5. When a certain number is divided by 45 there is a remainder of 30. What would be the remainder if the number were divided by 9?
6. Give the following tables using proper abbreviations: linear measure, square measure, liquid measure, and avoirdupois weight.
7. Mr. Charles Brown has a note for $250 at 6 per cent interest per annum, running two years, which was given in Detroit $15\frac{1}{2}$ months ago to John R. Clark and by Clark properly indorsed to Brown. Draw the note, making proper indorsement and find the interest due today.

NOTE.—Five credits for note and five for solution.

8. Analyze: Ten per cent of a consignment of eggs were broken. At what per cent advance must the remainder be sold to realize a gain of 25 per cent?
9. Formulate and solve an example in both simple and compound proportion.
10. Illustrate in a township the following described parcel of land and find its value at $12.50 per acre: N. $\frac{1}{2}$ of N. E. $\frac{1}{4}$ of S. E. $\frac{1}{4}$, sec. 16.

NOTE.—Give five credits for correct illustration, and five for finding value.

11. Define (a) multiple, (b) factor, (c) cancellation, (d) decimal fraction, (e) abstract number, (f) ratio, (g) percentage, (h) per cent.
12. Give principles upon which the following operations are based: (a) reducing fractions to lower terms, (b) reducing fractions to a common denominator, (c) pointing off in multiplication of decimals, (d) dividing percentage by rate to find the base.
13. At $2.50 per rod what will it cost to fence a square field containing 10 acres?
14. A jobber retails at a gain of 25 per cent and discounts this price 20 per cent and 10 per cent for cash. What per cent are his profits on cash sales?

MENTAL ARITHMETIC.

All Grades.

NOTE.—(1) Distribute these lists among all the applicants, placing them face down upon the desks.
(2) Each applicant write his number or name across the back of the list.
(3) At a signal from the commissioner, all reverse the papers and in the *right-hand margin* write as many answers to the questions as possible in 15 *minutes*.
(4) At the second signal, all again reverse the papers when they will at once be collected by the examiners.
Give *one credit* for each correct answer written, making 20 credits for this part of the examination.

1. Multiply 25 by $12\frac{1}{2}$.
2. Divide $75.25 among 25 persons.
3. If $\frac{3}{4}$ cord of wood costs $1.20, what will 2 cords cost?
4. Add 12 twos, 13 threes, and 15 fives.
5. In 10 dozen, how many score?
6. In 11,000 pecks how many bushels?
7. How many acres in a quarter section of land?
8. What part of $16\frac{2}{3}$ per cent is $12\frac{1}{2}$ per cent?
9. The ratio of wheat in one bin is $83\frac{1}{3}$ per cent of that in another, which has 60 bushels. How much in the first bin?
10. Horse and carriage are worth $150. The horse is worth 4 times as much as the carriage. Value of the horse?
11. How many board feet in a timber 6 x 8 and 30 ft. long?
12. 1,000 shingles cover a square. How many for a roof 40 ft. by 80 ft.?
13. How many pints in a half-barrel cask?
14. How many ounces in $5\frac{1}{2}$ lbs. avoirdupois?
15. Sold for 5 cents gaining 100 per cent. What was the cost?
16. Sold for 10 cents losing 2 cents. What was the loss per cent?
17. If a square piece of land yields 2 bushels of potatoes, what will a square piece three times as long yield?
18. Bought goods at 10 per cent and 5 per cent off. What per cent of the bill will settle the account?
19. $\frac{2}{3}$ of A's money is $\frac{1}{2}$ of B's and both have together 42 cents. How much has each?
20. John cuts a cord of wood in 8 hours, James in 12 hours. How long for them to cut a cord working together?

BOTANY.

Second Grade.

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2. Name the different kinds of roots.
3. Define resting bud, accessory bud, terminal bud.
4. Name the parts of a leaf.
5. Name three climbing plants; two running plants.
6. Name five varieties of shrubs.
7. What is the value of insects in a flower garden? In an orchard?
8. Define raceme, spadix, catkin, umbel, cyme, and give examples.
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   (b) State some of the prohibitions imposed upon states by the United States Constitution.
2. (a) What is done in case the electors fail to choose a President?
   (b) Why is this a wise provision?
3. Mention the principal duties of prosecuting attorney.
4. Name three appointive State officers together with principal duties.

5. (a) What territories desire admission to the Union?
   (b) What are some of the advantages which would be gained by such admission?
6. To which of the Departments would each of the following be referred:
   (a) A package lost in the foreign mail?
   (b) An estate belonging to an American dying in a foreign country?
   (c) A dispute over title to property in New Mexico?
7. Discuss the Constitution with reference to (a) copyright laws, (b) money and counterfeiting.
8. What powers has the President by and with the advice and consent of the Senate?
9. What oath or affirmation does the President take before he can enter upon the duties of his office?
10. (a) What is treason?
    (b) What are the constitutional provisions with respect to conviction of treason?
11. What rights of security are guaranteed to people in the Constitution?
12. The Michigan legislature:
    (a) How many members?
    (b) When and how chosen?
    (c) When do they meet?
    (d) How many must be present to transact business?
    (e) How do they choose officers?
    (f) How expel a member?
13. (a) Who is your State representative?
    (b) Who is your United States representative?
    (c) Who is your United States senator?
14. (a) How many justices of the peace may be in each township?
    (b) Over what cases do justices of the peace have exclusive jurisdiction?
15. State five facts relating to the election, powers, and duties of members of the county boards of school examiners.

GENERAL HISTORY.

Second Grade.

1. State the religion, government, and contributions to civilization of the early Egyptians.
2. Compare the early Grecian and the early Germanic organization.
3. Describe the rise and spread of Christianity in the Roman Empire. Why was it opposed?
4. Name the four conquests of England and state the lasting effects produced by each.
5. Give an account of the quarrel between Henry IV. and Hildebrand.
6. What was the object of the Puritan movement in England, who were some of the leaders, and what was accomplished?
7. State the benefits of Napoleon's government to France.
8. What part have Norway and Sweden played in European history and of what importance are these countries now?
9. (a) Name five European rulers of the present time.
   (b) Name three English statesmen.
   (c) Name two Russian statesmen.
   (d) Name two Japanese statesmen.
10. What was the Portsmouth Conference and what was accomplished by it?

GEOGRAPHY.

Second and Third Grades.

Applicants for second grade answer first ten; third grade, last ten.

1. State the changes in the geography of Asia that will result from the Russo-Japanese War.
2. Explain as to a class the rotation and revolution of the earth.
3. Define continental plateau, continental island, sinking coast, rock folds, detritus.
4. (a) Name the principal industries of Mexico, of Cuba, of Brazil.
   (b) What articles do we import from Mexico and what articles do we export to Mexico?

5. Name the islands or groups of islands in the Atlantic ocean, and state what country exercises sovereignty over each.
6. Name the Central American states and indicate the pronunciation of each.
7. Name the chief ranges or divisions of the Rocky Mountain system. Name three of the highest peaks.
8. Name the states of the United States in which mines of the following minerals and metals are being successfully operated: zinc, quicksilver, sulphur, lead, graphite, copper, tin.
9. Locate Cape of Good Hope, North Cape, Cape Matapan, Odessa, Port Arthur, Tokyo, Honolulu, Glasgow, Hamburg, Christiana.
10. Write the particulars of the fishing industry of New England and of Newfoundland.
11. Give the soil, surface, productions, and important cities of British South Africa.
12. Name the provinces of Australia, the important cities, and the productions.
13. For what are the cities of Grand Rapids, Saginaw, Sault Ste. Marie, and Marquette noted?
14. Bound India, name its capital and three other important cities.
15. Explain how the latitude and longitude of a place is found.

GRAMMAR.

Second and Third Grades.

Applicants for second grade answer first ten; for third grade, last ten.

1. Name and define the two classes of verbs. Explain and illustrate the impersonal verb.
2. Make five sentences each containing a verb in the subjunctive mode.
3. Define tense. Name the tenses used in the subjunctive mode. In the imperative mode. Why are these used and no others?.
4. Name the classes of adjectives according to a standard author. Explain the several uses of the, a, and an.
5. Analyze: We advised him to proceed along such lines as he might consider surest to solve the problem.
6. Parse advised, him, as, surest, solve, as used in the foregoing sentence.
7. Name the classes of adverbs and give examples.
8. Define syntax, personal pronoun, complement, indirect object, factitive object.
9. Give six constructions that may be used as substitutes for the adjective and give examples.
10. State clearly in two or more paragraphs the thought contained in one of the following proverbs:
    "A stitch in time saves nine."
    "As the twig is bent the tree is inclined."
11. Define phrase, clause, sentence, independent element.
12. Compare many, far, little, bad, manly.
13. Decline who, man.
14. Define infinitive, participle, and give the uses of each.
15. Give a rule for forming the plural of nouns, and illustrate three irregular forms.

ORTHOGRAPHY.

All Grades.

1. Define syllable, phonography, improper diphthong, macron, stress.
2. Use the following words correctly in sentences: lye, lie; bolder, bowlder; tears, tiers; male, mail; flew, flue.
3. Indicate the pronunciation and accent of these words: process, Seine, rendezvous, apparatus, parents, ally, Asia, slough, bade, diphthong.
4. Give meaning of the following prefixes and give a word to which each may be affixed: de, pro, non, hyper, vice, ex.
5. (a) What are the most common causes of poor articulation?
   (b) Mention three common errors in articulation.
   (c) State your method for securing good articulation.
6. What is the value of dictation exercises in spelling?

LIST OF WORDS.

All Grades.

1. necessity
2. secede
3. utensil
4. opinion
5. potatoes
6. legislature
7. bacteria
8. similar
9. salary
10. receipt
11. glycerine
12. courtesy
13. salivary
14. sympathize
15. Pennsylvania
16. surprise
17. synthesis
18. worthy
19. behavior
20. pronoun
21. Los Angeles
22. dissect
23. confederacy
24. generous
25. holiness
26. admissible
27. consonant
28. mahogany
29. Guatemala
30. umbrella
31. reprisal
32. mosquito
33. wherever
34. parasol
35. Buchanan
36. electoral
37. Escanaba
38. celery
39. plural
40. sanitary
41. regiment
42. diagram
43. nominee
44. catarrh
45. disappoint
46. prairie
47. textiles
48. cylinder
49. thorax
50. citizen

PHYSICS.

Second Grade.

1. Give the three conditions of matter and state upon what each depends.
2. Why does soil that is frequently cultivated retain moisture better and longer than that which is uncultivated?
3. Give the laws for accelerated motion. Solve a problem under one of them.
4. Define pendulum, barometer, thermometer, specific gravity.
5. Draw and explain the suction lift pump. In what wells is a suction pump insufficient and how is this remedied? Why?
6. A standard candle is 2 feet and a lamp 10 feet from a wall. The shadows are of equal intensity. What is the candle power of the lamp?
7. Explain and illustrate the action of a convex lens on light. Of a concave lens.
8. Explain the terms conductor, potential, electrification, electromotive force, current.
9. Explain the Leyden jar. The induction coil.
10. Give Ohm's law. Joule's law.

PHYSIOLOGY.

Second and Third Grades.

Applicants for second grade answer first ten; for third grade, last ten.

1. What is oxidation? Discuss its importance and relation to animal life.
2. What is vaccination? What does the State Board of Health recommend regarding it?
3. Describe a ball and socket joint. Locate three examples of this class.
4. Distinguish between voluntary and involuntary muscles as to control, structure, position, color, attachment.
5. (a) Mention some common habits of children which cause indigestion.
   (b) Why should one avoid mental work immediately after eating?
6. Name six natural provisions for repair of accidental or unusual injuries in the body.
7. Describe the abdominal cavity and locate the organs it contains.
8. Describe and state the functions of the covering of the body.
9. Give a complete outline of the circulation of the blood, including the minor circulations.
10. Describe the setting and natural protection of the eye.
11. (a) What is alcohol?
    (b) How does alcohol affect the liver? the brain?
12. (a) What are the symptoms of poor ventilation?
    (b) Describe a good color scheme for the school room walls.
13. Describe the construction, location, protection, and functions of the spinal cord.

READING.

All Grades.

Answer ten questions.

"Elegy Written in a Country Churchyard."

1. Give in your own words the introduction. Is this description in keeping with the solemn theme which follows? Why?
2. "The breezy call of incense-breathing morn,
   The swallow twittering from the straw-built shed,
   The cock's shrill clarion, or the echoing horn,
   No more shall rouse them from their lonely bed.

   For them no more the blazing hearth shall burn,
   Or busy housewife ply her evening care;
   No children run to lisp their sire's return,
   Or climb his knees the envied kiss to share."

   Why do you think Gray selected the foregoing incidents?
3. After all what is the real difference between the rich and the poor?
4. "The boast of heraldry, the pomp of power,
   And all that beauty, all that wealth e'er gave,
   Awaits alike the inevitable hour,
   The paths of glory lead but to the grave."

   How does this thought make us feel toward humanity?
5. (a) What part do "Knowledge" and "Penury" play now in the development of people?
   (b) Why are not all men great who might be?
6. Name some virtues mentioned by Gray which, while the poor usually keep them unsullied, the rich have ignored in the race for greatness.
7. What feelings do the "uncouth rhymes," "shapeless sculpture," and the entire description of the rustic churchyard, arouse? Why?
8. (a) Why would the poet's inference to Hampden, Milton, and Cromwell appeal to his readers?
   (b) Who were these men?
9. Interpret the following:

   "On some fond breast the parting soul relies,
   Some pious drops the closing eye requires;
   Even from the tomb the voice of Nature cries,
   Even in our ashes live their wonted fires."

10. (a) Give meaning of listless length, heath, dirges, graved, hard by.
    (b) Explain the figures in the following:

    "Let not Ambition mock their useful toil,
    Their homely joys and destiny obscure;
    Nor grandeur hear with a disdainful smile,
    The short and simple annals of the poor."

11. What is an elegy? Why is this elegy the "most widely known poem in our language?"
12. Give in your own words the thought of the epitaph.
13. Who was Thomas Gray and what was the quality and aim of his productions?
14. Has this poem increased your love of nature? Changed your attitude toward humanity? Altered your opinion of the relations of rich and poor? If so, how?

SCHOOL LAW.

All Grades.

Applicants for first grade answer all; other grades, any five.

1. Give the substance of three amendments to the school laws made by the last legislature.
2. Who is the legal librarian in a school district? In a township?
3. *(a) Why should* a teacher insist that he be hired at a board meeting.

(b) Why should he insist that a proper contract be made out and signed by all proper parties before the opening of school?

4. Who constitute the township board of school inspectors? Of what importance is this board?
5. For what purpose only can library moneys be used? Whose duty is it to see that they are used according to law?
6. Name the legal holidays.
7. Does the legal requirement that a teacher shall possess good moral character cover his entire life, or simply the school year? Why?
8. Why should teachers make all required reports to school board, and to the commissioner promptly at the end of each term and at the end of the year?

STATE MANUAL AND COURSE OF STUDY.

All Grades.

1. What is a course of study?
2. Give its advantages and disadvantages.
3. Give the work of second grade as outlined in the State Manual and Course of Study.
4. When should text-books in arithmetic, penmanship, and geography be introduced?
5. What is the general idea of the Course of Study in the teaching of geography in the lower grades?
6. What is the attitude of the Course of Study towards language teaching by written and by oral work?
7. Mention eight topics treated under "commercial geography."
8. Mention three devices suggested by the Course of Study for teaching arithmetic.
9. (a) In what grade is book-keeping recommended?
   (b) How many books are suggested?
10. What criticisms or changes would you recommend in the State Manual and Course of Study?

THEORY AND ART.

All Grades.

Applicants for first grade answer first ten; other grades, last ten.

1. Describe apperception and explain its value.
2. Name the primary faculties. Is the teacher to train them all? Why?
3. What is the relation of clear ideas to the will?
4. Upon what basis should promotions be made? Why?
5. Mr. Hinsdale gives five steps in the "recitation lesson." Name them and briefly explain each.
6. Explain inductive teaching. When may deductive methods be used?
7. Occasionally we find teachers who have some of the following bad habits: repeating answers of pupils, calling on pupils in rotation, interrupting pupils when reciting, permitting concert recitations, repeating questions for inattentive pupils, permitting pupils to correct mistakes of one reciting, standing behind the class or walking around the room during reading lessons, threatening pupils, using sarcasm, using slang, permitting pupils to pronounce words or prompt the one who is reciting.

   Express your opinion of each.
8. Define attention and give some of the external signs of attention mentioned by Mr. Hinsdale.
9. Explain voluntary and involuntary attention.
10. What have the physical conditions of a school room to do with good school work?
11. What does Mr. Hinsdale say of the lack of thoroughness in our schools? Whose fault?
12. Give your plan of teaching spelling (a) to third grade, (b) to eighth grade.
13. Give your plan of teaching writing in a rural school.

NOTE.—Actual, not theoretical.

14. Name the representative powers of the mind and define one of them.
15. Define psychology, pedagogy, teacher.

UNITED STATES HISTORY.

First Grade.

1. In what way do you teach civic ideals? Illustrate.
2. Give the substance of the first ten amendments to the Constitution. Why were they adopted?
3. Give the chief provisions of the Ordinance of 1787.
4. (a) Compare the financial panic of 1873 with that of 1893.
   (b) How did the resumption of specie payment affect the conditions caused by the Rebellion?
5. Give the provisions of the Reconstruction Act. How did President Johnson regard this?
6. Tell of Stevens T. Mason's services to Michigan.
7. When and how were the Philippines acquired? How is their condition being improved? How are they governed?
8. Name some treaties now in force between United States and Great Britain and state the chief provisions of one of them.
9. What was Alexander Hamilton's financial policy and how did this strengthen the new government?
10. (a) Who is at present Secretary of State?
    (b) What services did his predecessor perform for the diplomatic policy of the United States?

Second and Third Grades.

Applicants for second grade answer first ten; for third grade, last ten.

1. (a) What do you understand by the "negro problem" of to-day?
   (b) What is the present industrial condition of the South?
2. Mention four events which aided in opening and settling the great West.
3. Compare the political campaign of 1860 with that of 1904.
4. Give an account of the settlement of Maryland.
5. When and where was the first legislative assembly held in America? Why was this significant?
6. Give five of the chief causes of the Revolution. Explain why you select these.
7. Who was Stevens T. Mason and what did he do for Michigan?
8. What and where was the Mason and Dixon line?
9. What was the turning point of the Rebellion. Give reasons for your answer.
10. Make a statement regarding any five of the following: John Hay, Elihu Root, Russell A. Alger, Lewis and Clarke Exposition, Russo-Japanese relations, Standard Oil System, John Paul Jones, Railway Rate Bill.
11. (a) When and by whom was the Declaration of Independence adopted? When was it signed?
    (b) What was the Dred Scot decision and why was it important?
12. Mention the important matters which claimed the attention of the people during the "Era of Good Feeling."
13. Give an outline of President Grant's administration.

IV. Questions prepared by the Superintendent of Public Instruction for the regular examination, October 19-20, 1905.

ALGEBRA.

Second Grade.

1. Simplify $x - \{3y + [2z - 5x - (x - y)] + 3x - (y + z)\}$.
2. Divide $a^5 - b^5$ by $(a^3 + b^3)(a + b) + a^2 b^2$.
3. Factor $x^8 - y^8$; $12c^2 + 7c - 12$; $3x^2 + x - 2$.
4. Find the L. C. M. of $c^2 - 5c + 4$, $c^2 - 6c + 8$, and $c^2 - 8c + 16$.
5. A can do a piece of work in 9 days, and B in 10 days. How long for both to do it working together?

6. Bought some apples at the rate of 4 for 5 cents, and sold them at the rate of 3 for 4 cents gaining 60 cents. How many did I buy?
7. After paying out $\frac{1}{m}$ and $\frac{1}{n}$ of my money I had b dollars left. How much had I at first?
8. Find values of the unknown quantities in terms of the known in the following:

$$\left\{\begin{array}{l} y + z - x = a. \\ x + y - z = b. \\ z + x - y = c. \end{array}\right\}$$

9. Expand $(2a + 3b)^5$ using binomial formula.
10. A man sold some land at such a rate that the price per acre was to the number of acres as 2 to 3. If he had received $270 more for it, the price per acre would have been to the number of acres as 3 to 2. Find price per acre and number of acres.

ARITHMETIC.

Second and Third Grades.

Applicants for second grade answer first ten; for third grade, last ten.

1 (a) What is the least number by which $\frac{3}{7}$, $\frac{9}{10}$, and $\frac{5}{6}$ can be multiplied to give, in each case, an integer for a product?

(b) Divide some number selected by yourself into integral parts having the ratios of $\frac{1}{2}$, $\frac{3}{4}$, and 3, respectively.

2. (a) What is the volume in cu. in. of a body that weighs 10 lbs. in air and 8 lbs. in water?

(b) The s. g. of cork is .24, of gold is 19.36. How much gold can be kept from sinking by a cu. ft. of cork?

NOTE.—In computing arithmetic problems in s. g. use 1,000 oz. as the weight of a cu. ft. of water.

3. A can do as much in a day as B in $1\frac{1}{2}$ days. If A can do a piece of work in 12 days, how long for them to do the work together?
4. Sold two horses at $120 each. On one I lost 25 per cent, on the other I gained enough to retrieve this loss. What per cent did I gain?
5. When a certain number is divided by 45 there is a remainder of 30. What would be the remainder if the number were divided by 9?
6. Give the following tables using proper abbreviations: linear measure, square measure, liquid measure, and avoirdupois weight.
7. Mr. Charles Brown has a note for $250 at 6 per cent interest per annum, running two years, which was given in Detroit $15\frac{1}{2}$ months ago to John R. Clark and by Clark properly indorsed to Brown. Draw the note, making proper indorsement and find the interest due today.

NOTE.—Five credits for note and five for solution.

8. Analyze: Ten per cent of a consignment of eggs were broken. At what per cent advance must the remainder be sold to realize a gain of 25 per cent?
9. Formulate and solve an example in both simple and compound proportion.
10. Illustrate in a township the following described parcel of land and find its value at $12.50 per acre: N. $\frac{1}{2}$ of N. E. $\frac{1}{4}$ of S. E. $\frac{1}{4}$, sec. 16.

NOTE.—Give five credits for correct illustration, and five for finding value.

11. Define (a) multiple, (b) factor, (c) cancellation, (d) decimal fraction, (e) abstract number, (f) ratio, (g) percentage, (h) per cent.
12. Give principles upon which the following operations are based: (a) reducing fractions to lower terms, (b) reducing fractions to a common denominator, (c) pointing off in multiplication of decimals, (d) dividing percentage by rate to find the base.
13. At $2.50 per rod what will it cost to fence a square field containing 10 acres?
14. A jobber retails at a gain of 25 per cent and discounts this price 20 per cent and 10 per cent for cash. What per cent are his profits on cash sales?

MENTAL ARITHMETIC.

All Grades.

NOTE.—(1) Distribute these lists among all the applicants, placing them face down upon the desks.
(2) Each applicant write his number or name across the back of the list.
(3) At a signal from the commissioner, all reverse the papers and in the *right-hand margin* write as many answers to the questions as possible in 15 *minutes*.
(4) At the second signal, all again reverse the papers when they will at once be collected by the examiners.
Give *one credit* for each correct answer written, making 20 credits for this part of the examination.

1. Multiply 25 by 12½.
2. Divide $75.25 among 25 persons.
3. If ¾ cord of wood costs $1.20, what will 2 cords cost?
4. Add 12 twos, 13 threes, and 15 fives.
5. In 10 dozen, how many score?
6. In 11,000 pecks how many bushels?
7. How many acres in a quarter section of land?
8. What part of 16⅔ per cent is 12½ per cent?
9. The ratio of wheat in one bin is 83⅓ per cent of that in another, which has 60 bushels. How much in the first bin?
10. Horse and carriage are worth $150. The horse is worth 4 times as much as the carriage. Value of the horse?
11. How many board feet in a timber 6 x 8 and 30 ft. long?
12. 1,000 shingles cover a square. How many for a roof 40 ft. by 80 ft.?
13. How many pints in a half-barrel cask?
14. How many ounces in 5½ lbs. avoirdupois?
15. Sold for 5 cents gaining 100 per cent. What was the cost?
16. Sold for 10 cents losing 2 cents. What was the loss per cent?
17. If a square piece of land yields 2 bushels of potatoes, what will a square piece three times as long yield?
18. Bought goods at 10 per cent and 5 per cent off. What per cent of the bill will settle the account?
19. ⅔ of A's money is ½ of B's and both have together 42 cents. How much has each?
20. John cuts a cord of wood in 8 hours, James in 12 hours. How long for them to cut a cord working together?

BOTANY.

Second Grade.

1. Describe the leaves of the following trees: maple, oak, horse chestnut, beech, birch.
2. Name the different kinds of roots.
3. Define resting bud, accessory bud, terminal bud.
4. Name the parts of a leaf.
5. Name three climbing plants; two running plants.
6. Name five varieties of shrubs.
7. What is the value of insects in a flower garden? In an orchard?
8. Define raceme, spadix, catkin, umbel, cyme, and give examples.
9. Name five plants having perfect flowers.
10. Define estivation, inflorescence, fruit, and name five fruit forms.

CIVIL GOVERNMENT.

Second and Third Grades.

Second grade applicants answer first ten; third grade, last ten.

1. (a) State some of the immunities given to congressmen.
   (b) State some of the prohibitions imposed upon states by the United States Constitution.
2. (a) What is done in case the electors fail to choose a President?
   (b) Why is this a wise provision?
3. Mention the principal duties of prosecuting attorney.
4. Name three appointive State officers together with principal duties.

5. (a) What territories desire admission to the Union?
   (b) What are some of the advantages which would be gained by such admission?
6. To which of the Departments would each of the following be referred:
   (a) A package lost in the foreign mail?
   (b) An estate belonging to an American dying in a foreign country?
   (c) A dispute over title to property in New Mexico?
7. Discuss the Constitution with reference to (a) copyright laws, (b) money and counterfeiting.
8. What powers has the President by and with the advice and consent of the Senate?
9. What oath or affirmation does the President take before he can enter upon the duties of his office?
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11. What rights of security are guaranteed to people in the Constitution?
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    (b) When and how chosen?
    (c) When do they meet?
    (d) How many must be present to transact business?
    (e) How do they choose officers?
    (f) How expel a member?
13. (a) Who is your State representative?
    (b) Who is your United States representative?
    (c) Who is your United States senator?
14. (a) How many justices of the peace may be in each township?
    (b) Over what cases do justices of the peace have exclusive jurisdiction?
15. State five facts relating to the election, powers, and duties of members of the county boards of school examiners.

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1. State the religion, government, and contributions to civilization of the early Egyptians.
2. Compare the early Grecian and the early Germanic organization.
3. Describe the rise and spread of Christianity in the Roman Empire. Why was it opposed?
4. Name the four conquests of England and state the lasting effects produced by each.
5. Give an account of the quarrel between Henry IV. and Hildebrand.
6. What was the object of the Puritan movement in England, who were some of the leaders, and what was accomplished?
7. State the benefits of Napoleon's government to France.
8. What part have Norway and Sweden played in European history and of what importance are these countries now?
9. (a) Name five European rulers of the present time.
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1. State the changes in the geography of Asia that will result from the Russo-Japanese War.
2. Explain as to a class the rotation and revolution of the earth.
3. Define continental plateau, continental island, sinking coast, rock folds, detritus.
4. (a) Name the principal industries of Mexico, of Cuba, of Brazil.
   (b) What articles do we import from Mexico and what articles do we export to Mexico?

5. Name the islands or groups of islands in the Atlantic ocean, and state what country exercises sovereignty over each.
6. Name the Central American states and indicate the pronunciation of each.
7. Name the chief ranges or divisions of the Rocky Mountain system. Name three of the highest peaks.
8. Name the states of the United States in which mines of the following minerals and metals are being successfully operated: zinc, quicksilver, sulphur, lead, graphite, copper, tin.
9. Locate Cape of Good Hope, North Cape, Cape Matapan, Odessa, Port Arthur, Tokyo, Honolulu, Glasgow, Hamburg, Christiana.
10. Write the particulars of the fishing industry of New England and of Newfoundland.
11. Give the soil, surface, productions, and important cities of British South Africa.
12. Name the provinces of Australia, the important cities, and the productions.
13. For what are the cities of Grand Rapids, Saginaw, Sault Ste. Marie, and Marquette noted?
14. Bound India, name its capital and three other important cities.
15. Explain how the latitude and longitude of a place is found.

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1. Name and define the two classes of verbs. Explain and illustrate the impersonal verb.
2. Make five sentences each containing a verb in the subjunctive mode.
3. Define tense. Name the tenses used in the subjunctive mode. In the imperative mode. Why are these used and no others?.
4. Name the classes of adjectives according to a standard author. Explain the several uses of the, a, and an.
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6. Parse advised, him, as, surest, solve, as used in the foregoing sentence.
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9. Give six constructions that may be used as substitutes for the adjective and give examples.
10. State clearly in two or more paragraphs the thought contained in one of the following proverbs:
    "A stitch in time saves nine."
    "As the twig is bent the tree is inclined."
11. Define phrase, clause, sentence, independent element.
12. Compare many, far, little, bad, manly.
13. Decline who, man.
14. Define infinitive, participle, and give the uses of each.
15. Give a rule for forming the plural of nouns, and illustrate three irregular forms.

ORTHOGRAPHY.

All Grades.

1. Define syllable, phonography, improper diphthong, macron, stress.
2. Use the following words correctly in sentences: lye, lie; bolder, bowlder; tears, tiers; male, mail; flew, flue.
3. Indicate the pronunciation and accent of these words: process, Seine, rendezvous, apparatus, parents, ally, Asia, slough, bade, diphthong.
4. Give meaning of the following prefixes and give a word to which each may be affixed: de, pro, non, hyper, vice, ex.
5. (a) What are the most common causes of poor articulation?
   (b) Mention three common errors in articulation.
   (c) State your method for securing good articulation.
6. What is the value of dictation exercises in spelling?

LIST OF WORDS.

All Grades.

1. necessity
2. secede
3. utensil
4. opinion
5. potatoes
6. legislature
7. bacteria
8. similar
9. salary
10. receipt
11. glycerine
12. courtesy
13. salivary
14. sympathize
15. Pennsylvania
16. surprise
17. synthesis
18. worthy
19. behavior
20. pronoun
21. Los Angeles
22. dissect
23. confederacy
24. generous
25. holiness
26. admissible
27. consonant
28. mahogany
29. Guatemala
30. umbrella
31. reprisal
32. mosquito
33. wherever
34. parasol
35. Buchanan
36. electoral
37. Escanaba
38. celery
39. plural
40. sanitary
41. regiment
42. diagram
43. nominee
44. catarrh
45. disappoint
46. prairie
47. textiles
48. cylinder
49. thorax
50. citizen

PHYSICS.

Second Grade.

1. Give the three conditions of matter and state upon what each depends.
2. Why does soil that is frequently cultivated retain moisture better and longer than that which is uncultivated?
3. Give the laws for accelerated motion. Solve a problem under one of them.
4. Define pendulum, barometer, thermometer, specific gravity.
5. Draw and explain the suction lift pump. In what wells is a suction pump insufficient and how is this remedied? Why?
6. A standard candle is 2 feet and a lamp 10 feet from a wall. The shadows are of equal intensity. What is the candle power of the lamp?
7. Explain and illustrate the action of a convex lens on light. Of a concave lens.
8. Explain the terms conductor, potential, electrification, electromotive force, current.
9. Explain the Leyden jar. The induction coil.
10. Give Ohm's law. Joule's law.

PHYSIOLOGY.

Second and Third Grades.

Applicants for second grade answer first ten; for third grade, last ten.

1. What is oxidation? Discuss its importance and relation to animal life.
2. What is vaccination? What does the State Board of Health recommend regarding it?
3. Describe a ball and socket joint. Locate three examples of this class.
4. Distinguish between voluntary and involuntary muscles as to control, structure, position, color, attachment.
5. (a) Mention some common habits of children which cause indigestion.
   (b) Why should one avoid mental work immediately after eating?
6. Name six natural provisions for repair of accidental or unusual injuries in the body.
7. Describe the abdominal cavity and locate the organs it contains.
8. Describe and state the functions of the covering of the body.
9. Give a complete outline of the circulation of the blood, including the minor circulations.
10. Describe the setting and natural protection of the eye.
11. (a) What is alcohol?
    (b) How does alcohol affect the liver? the brain?
12. (a) What are the symptoms of poor ventilation?
    (b) Describe a good color scheme for the school room walls.
13. Describe the construction, location, protection, and functions of the spinal cord.

14. (a) What is a gland?
    (b) Name and locate the glands which aid digestion.
    (c) Describe one of these glands and its secretion.
15. What are bacilli, cilia, germs, papilla, villi?

READING.

All Grades.

Webster's "First Bunker Hill Oration."

Answer ten questions including those marked *

*1. (a) Give a sketch of the life of Daniel Webster.
    (b) What mental and physical qualities made Webster a great orator?
*2. Describe the assemblage which listened to this oration.
*3. What changes does the orator note between June 17, 1775, and June 17, 1825?
*4. What does Webster say of the importance of Bunker Hill as a battle?
 5. Compare the results of the Revolution in America with that in Europe at the same time.
*6. "And now, let us indulge an honest exultation in the conviction of the benefit which the example of our country has produced, and is likely to produce, on human freedom and human happiness."
    How and in what ways has America influenced "human freedom and human happiness" since 1825?
 7. What does Webster say of our system of government in comparison with other forms? Was he right? Why?
 8. Of what significance was General Lafayette's visit?
 9. Name six patriots who fell on Bunker Hill.
*10. What do you consider the finest part of this oration? State its merits.
*11–12. "And let the sacred obligations which have devolved on this generation, and on us, sink deep into our hearts. . . . The great trust now descends to new hands. Let us apply ourselves to that which is presented to us, as our appropriate object. We can win no laurels in a war for independence. Earlier and worthier hands have gathered them all. . . . But there remains to us a great duty of defense and preservation; and there is opened to us, also, a noble pursuit, to which the spirit of the times strongly invites us. Our proper business is improvement. Let our age be the age of improvement. In a day of peace, let us advance the arts of peace and the works of peace," etc.
    (a) Why is this a good selection for study in school?
    (b) How should this be read? (Voice, stress, etc.)
    (c) Mention the qualities of power which you would seek to teach your pupils from this selection.
    (d) In what ways does America need patriotism and loyalty to-day?

SCHOOL LAW.

All Grades.

1. Give the chief provisions of the new truancy law.
2. How may vacancies in a school office be filled?
3. How is a vacancy in the office of school examiner filled? How in the office of commissioner?
4. (a) By the terms of a teacher's contract, what things does the school board agree to do?
   (b) What remedy has the teacher if the board fails to keep its contract?
5. (a) What remedy has the board if the teacher fails to keep the terms of the contract?
   (b) Give several rules which the school board may and should make in regard to the school.

STATE MANUAL AND COURSE OF STUDY.

All Grades.

1. State three of the nine suggestions in the Course of Study relating to government of schools.
2. What are some of the suggestions for nature study in October and November?
3. What are the primary divisions of the Course and what years in each?
4. Outline the physiology work throughout the whole course.
5. Mention five of the thirteen "things to be noted" in first grade reading.
6. Write the ten combinations of 4 and 5 as suggested by those of 2 and 3.
7. Reproduce some drawing given to show perspective.
8. Give summary of the work of seventh grade.
9. 24 is 60 per cent of what number? Solve by the three methods suggested.
10. Give five of the suggestions on teaching United States history.

THEORY AND ART.

All Grades.

NOTE.—Partly based on Dutton's "School Management."

1. Who is Mr. Dutton? What is school management?
2. (a) What does Mr. Dutton say in regard to the "changed conception of the school?"
   (b) What things have entered into school work to cause this change?
   (c) Is he sound in his opinion?
3. What elements of personality constitute the teacher's power? See Dutton.
4. What does Dutton say of the teacher's duties out of school?
5. What about the selection of teachers?
6. What *points* made by the instructors in your last institute have you incorporated into your school work?
7. Give your method of teaching reading to beginners.
8. How do you attempt to strengthen the moral qualities of your pupils?
9. Define memory, imagination, judgment.
10. (a) Give several exercises which furnish good training for the memory.
    (b) Give several exercises which tend to render the perceptive faculties acute and accurate.

UNITED STATES HISTORY.

Second and Third Grades.

Applicants for second grade answer first ten; for third grade, last ten.

1. Describe the capture of Quebec and tell the influence of its result upon the French occupancy in America.
2. What is the Spoils System? Give the chief objections to it. Mention some offices which could properly be distributed as political rewards.
3. Give a brief sketch of the life and services of John D. Pierce or of one of the living Ex-Governors of Michigan.
4. Name three American naturalists, orators, authors, poets, and artists of the past century.
5. In what ways does the study of history develop the memory? The reasoning faculties?
6. (a) What questions were settled by the Mexican War?
   (b) Name three controversies over slavery caused by the admission of new states and the results of one.
7. Name the "accidental presidents" and tell what the latest of this number has accomplished.

8. State the temporary and permanent effects of the Emancipation Proclamation upon the North and upon the South.
9. (a) Name three important campaigns of the Revolution and the objective point of each.
   (b) How were the colonies governed during the Revolution?
10. What was the result of the Union Pacific railroad? Of the Atlantic cable?
11. Name what you consider the five most important battles of the Civil War and give the reason for choice in each case.
12. (a) Name five important enactments of Congress during the past ten years.
   (b) Mention three enactments before 1850 which affected trade.
13. Give an account of the settlement of Georgia.
14. (a) What was the Trent affair? the Alabama claims?
   (b) Who were the Ku-Klux Klan? the Carpet-baggers?
15. Give five important current events of the past three months.

EDUCATIONAL FUNDS

AND REPORT OF

UNIVERSITY OF MICHIGAN.

EDUCATIONAL FUNDS.

PRIMARY SCHOOL FUNDS.

Seven per cent fund:		
Amount on which state pays interest, June 30, 1905	$4,224,061 02	
Due from purchasers of land, June 30, 1905	59,210 96	
Total seven per cent fund, June 30, 1905		$4,283,271 98
Five per cent fund:		
Amount on which state pays interest, June 30, 1905		945,061 45
Total school fund, June 30, 1905		$5,228,333 43

INCOME ON PRIMARY SCHOOL INTEREST FUND.

Interest paid by state on seven per cent fund during year ending June 30, 1905	$295,136 32	
Interest and penalty paid by holders of land on seven per cent fund during year ending June 30, 1905	4,652 18	
Interest paid by state on five per cent fund	46,985 86	
Total income from both funds		$346,774 36
Surplus of specific taxes transferred	$634,051 65	
Paid by trespassers on school land	38 00	
Total		634,089 65
Total income for year ending June 30, 1905		$980,864 01

UNIVERSITY FUND.

Amount on which state pays interest, June 30, 1905	$541,352 71	
Interest paid by state (on land grant)		$37,816 18
Interest paid by state on deposit		50 00
Interest and penalty paid by holders of land		568 49
Total income for year ending June 30, 1905		$38,434 67

AGRICULTURAL COLLEGE FUND.

Amount on which state pays interest, June 30, 1905	$966,253 76	
Interest paid by state		$67,144 25
Interest and penalty paid by holders of land		2,396 69
Paid by trespassers on lands		270 35
Received from United States government		25,000 00
Total income for the year ending June 30, 1905		$94,811 29

NORMAL SCHOOL FUND.

Amount on which state pays interest, June 30, 1905...	$68,539 79	
Interest paid by state		$4,105 76
Interest and penalty paid by holders of land		78 44
Total income for year ending June 30, 1905		$4,184 20

UNIVERSITY OF MICHIGAN.

The Treasurer's report for the fiscal year ending June 30, 1905.

The following summaries show the sources of income and the purposes for which expenditures were made:

I. GENERAL ACCOUNT.

RECEIPTS.

From balance in treasury, July 1, 1904		$55,329 42
From State Treasurer ¼ mill tax for general expenses.	$355,072 50	
From State Treasurer ¼ mill tax for special expenses.	39,452 50	
From State Treasurer account university interest	28,681 76	
From earnings miscellaneous sources general account..	316,200 39	739,407 15
		$794,736 57

DISBURSEMENTS.

Paid on account of general expenses	679,109 50	
Paid on account of accumulations, special expenses	80,847 55	759,957 05
Balance in treasury June 30, 1905		34,779 52
		$794,736 57

GENERAL FUND.

RECEIPTS TO THE GENERAL FUND.

Balance in treasury July 1, 1904, general fund account	$54,326 78	
From State Treasurer, account university interest	28,681 76	
From State Treasurer, account ¼ mill tax	355,072 50	
From interest on deposits	1,104 39	
From university hospital earnings	54,975 73	
From homeopathic hospital earnings	21,148 65	
From dental operating room earnings	4,095 90	
From engineering shops earnings	91 98	
From miscellaneous sources earnings	3,328 59	
From dental laboratory earnings	315 00	
From fuel earnings	209 45	
From Pasteur laboratory earnings	200 00	
From printing plant earnings	54 90	
From general library earnings	7 17	
From school inspection earnings	14 03	$523,626 83
From students' fees—		
Literary department	56,635 00	
Literary department summer school	6,000 00	
Engineering department	45,040 00	
Engineering department laboratory	6,655 00	
Medical department	16,270 00	
Medical department summer school	1,075 00	
Law department	41,250 00	
Law department summer school	2,165 00	
Law library	1,772 00	
Dental department	5,765 00	
Homeopathic medical department	3,090 00	
Pharmacy department	2,900 00	
Anatomical laboratory	2,890 00	
Chemical laboratory	10,367 35	

Hygienic laboratory	$3,585 00	
Zoological laboratory	526 00	
Botanical laboratory	609 00	
Physiological laboratory	410 00	
Pathological laboratory	1,100 00	
Pharmacological laboratory	385 00	
Histological laboratory	1,176 00	
Engineering surveying	420 00	
Theses	250 00	
Mineralogical laboratory	245 00	
Medical demonstrations	3,555 00	
Electro-therapeutics	528 00	
Waterman gymnasium	2,891 00	
Barbour gymnasium	630 00	
Key deposits	424 00	
Drawing board deposits	1,860 00	
Electrical engineering	1,336 25	
Combined courses	380 00	
Diplomas	8,470 00	
Total students' fees	$230,654 60	$230,654 60
Fees refunded	9,368 63	
Students' fees net	$221,285 97	$754,281 43

DISBURSEMENTS FROM GENERAL FUND.

Literary department pay rolls	$124,590 80	$124,590 80
Summer school pay rolls	12,093 75	12,093 75
Summer school expenses		1,314 86
Engineering department pay roll	79,394 05	79,394 05
Engineering department expenses		1,098 11
Engineering laboratory expenses		898 38
Engineering shops expenses		2,405 62
Engineering electrical expenses		218 37
Civil engineering		1,678 45
Physics		1,348 82
Medical department pay roll	48,487 70	48,487 70
Medical department library		2,167 75
Medical department expenses		491 06
Medical department materia medica		418 80
Hygiene		4,286 23
Nervous diseases		245 58
Theory and practice		542 81
Ophthalmology		387 71
Dermatology		49 10
Rhinology		955 67
Law department pay roll	48,314 00	48,314 00
Law department expenses		618 50
Law department library		3,449 27
Homeopathic medical college pay roll	6,684 20	6,684 20
Homeopathic medical college library		179 62
Homeopathic medical college expenses		465 73
Dental college pay roll	11,428 00	11,428 00
Dental college library		244 51
Dental college supplies		3,843 95
University hospital pay roll	14,302 73	14,302 73
University hospital expenses		31,790 59
Homeopathic hospital pay roll	6,395 20	6,395 20
Homeopathic hospital expenses		20,635 29
Pharmacy and chemical pay roll	25,247 74	25,247 74
General pay roll	72,449 81	72,449 81
Library pay roll	12,458 47	12,458 47
Total amount paid for salaries during the year..	$461,846 45	

Anatomical material		$1,871 44
Anatomical laboratory		203 29
Physiological laboratory		498 30
Pathological laboratory		784 21
Electro-therapeutical laboratory		486 89
Pasteur laboratory		631 43
Surgical laboratory		499 80
Histological laboratory		922 81
Botanical laboratory		704 10
Botanical garden		258 61
Zoological laboratory		792 60
Chemical laboratory		9,751 91
Astronomical observatory		355 86
History		108 43
Forestry		488 75
Philosophy		465 00
Rhetoric		32 67
Naval architecture		90 39
Latin		279 72
Music		200 00
English		246 65
Mineralogy		547 20
Geology		59 15
Philology		2 66
Mathematics		1,144 25
German		91 65
Political economy		198 29
School inspection		348 71
Waterman gymnasium		149 37
Woman's Barbour gymnasium		128 69
Pedagogy		16 07
French		7 57
Oratorical association		88 11
Alumni association		1,400 00
Commencement expenses		999 46
St. Louis exhibit		1,496 69
Appointment committee		276 63
Printing plant		1,640 40
Electrical supplies		1,860 55
Heating supplies		1,122 58
Water supply		2,505 89
Diplomas		1,474 20
Contingent expenses		7,231 71
Repairs		17,006 54
Fuel		37,110 95
Lights		2,321 60
Books for general library		10,767 47
Expenses for general library		3,430 52
Postage		1,597 70
Advertising and printing		2,902 33
Museum		646 45
Laundry expenses		6,391 81
Carpenter shop expenses		1,547 79
Care of teams		1,973 79
Students' fees refunded		9,368 63
	$679,109 50	$679,109 50
Balance in general fund, June 30, 1905		75,171 93
		$754,281 43
General fund account	75,171 93	
Less amount advanced to building funds	40,392 41	
Total balance, June 30, 1905	$34,779 52	

SPECIAL FUND ACCOUNTS.

HOMEOPATHIC MEDICAL COLLEGE.

RECEIPTS.

Balance in treasury July 1, 1904	$4,264 75	
Balance overdrawn June 30, 1905	300 95	
		$4,565 70

DISBURSEMENTS.

Paid vouchers	$4,565 70	
		4,565 70

SUMMER HOSPITALS.

RECEIPTS.

Balance in treasury July 1, 1904	$3,000 00	
		$3,000 00

DISBURSEMENTS.

Paid vouchers	$3,000 00	
		3,000 00

PSYCHOPATHIC HOSPITAL WARD.

RECEIPTS.

Balance overdrawn July 1, 1905	$9,356 63	
		$9,356 63

DISBURSEMENTS.

Balance overdrawn July 1, 1904	$4,931 52	
Paid vouchers	4,425 11	
		9,356 63

ACCUMULATION OF SAVINGS, NEW ENGINEERING BUILDING.

RECEIPTS.

From State Treasurer	$39,452 50	
Balance overdrawn June 30, 1905	32,964 69	
		$72,417 19

DISBURSEMENTS.

Balance overdrawn July 1, 1904	$6,718 26	
Paid vouchers	65,698 93	
		72,417 19

ACCUMULATION OF SAVINGS, NEW MEDICAL BUILDING.

RECEIPTS.

Balance in treasury July 1, 1904	$4,066 81	
		$4,066 81

DISBURSEMENTS.

Balance in treasury June 30, 1905	$4,066 81	
		4,066 81

ACCUMULATION OF SAVINGS, REPAIRS TO WOMAN'S GYMNASIUM.

RECEIPTS.

Balance in treasury July 1, 1904	$1,320 86	
		$1,320 86

DISBURSEMENTS.

Paid vouchers	$521 92	
Balance in treasury June 30, 1905	798 94	
		1,320 86

ACCUMULATION OF SAVINGS, ADDITION TO PHYSICAL LABORATORY.

RECEIPTS.

Overdrawn June 30, 1905	$2,635 89	
		$2,635 89

DISBURSEMENTS.

Paid vouchers	$2,635 89	
		2,635 89

SPECIAL FUNDS.

SUMMARY OF BALANCES, JUNE 30, 1905.

OVERDRAFTS.

Homeopathic medical college	$300 95	
Psychopathic ward	9,356 63	
New engineering building	32,964 69	
Addition to physical laboratory	2,635 89	
		$45,258 16

BALANCES CREDIT.

New medical building	$4,066 81	
Repairs to woman's gymnasium	798 94	
Net overdraft	40,392 41	
		45,258 16

SUMMARY OF TRUST FUND BALANCES.

1905.	IN BANK.	LOAN AND PROPERTY.	TOTAL.
June 30, Philo Parson fund	$129 02	$.....	$129 02
Goethe fund	224 72	.....	224 72
Buhl law library	418 94	.....	418 94
Coyl fund	278 31	11,400 00	11,678 31
Seth Harrison fund	312 20	29,500 00	29,812 20
Ford-Messer fund	195 54	21,700 00	21,895 54
1894 scholarship fund	398 66	1,500 00	1,898 66
Parke, Davis & Co	50 00	.....	50 00
F. Stearns pharmacy	2 06	.....	2 06
Phillips scholarship	904 60	.....	904 60
American school at Rome	5 45	.....	5 45
Special Latin	2 82	.....	2 82
1897 class scholarship	37 10	150 00	187 10
1898 class scholarship	353 82	75 00	428 82
Bates professorship	14,338 18	115,527 72	129,865 90
Property $18,579 67			
Loans 96,948 05			
Morris alumni	969 31	2,100 00	3,069 31
Williams professorship	457 73	4,000 00	4,457 73
Property	.....	15,071 51	15,071 51
Good government	773 62	.....	773 62
Woman's professorship	438 52	12,200 00	12,638 52
Newton Van der Veer	437 10	.....	437 10
Students' lecture association	318 28	780 00	1,098 28
Allopathic hospital	122 64	2,000 00	2,122 64
1899 law class	34 38	.....	34 38
Peter White fellowship	782 44	.....	782 44
Music hall	485 14	1,000 00	1,485 14
Chemical apparatus	29 59	.....	29 59
1903 class memorial	143 38	.....	143 38
Warner fund	1 31	.....	1 31
Gas association	30 37	.....	30 37
Buhl classic fund	30 43	.....	30 43
Alice Freeman Palmer	815 69	.....	815 69
Walter Crane	1,563 06	.....	1,563 06
Walter Crane property	.....	6,012 88	6,012 88
McMillan Shakespeare	34 56	.....	34 56
Museum expedition	437 84	.....	437 84
Treadwell free bed	28 93	.....	28 93
Palmer memorial free bed	452 70	15,035 00	15,487 70
Humanistic series	91 79	.....	91 79
A. B. Whittier	86 31	3,900 00	3,986 31
Lucinda Hinsdale Stone	1,903 75	3,000 00	4,903 75
Saginaw valley alumnæ	.....	80 00	80 00
James B. Angell	278 13	.....	278 13
Memorial building	251 75	.....	251 75
	$28,650 17	$245,032 11	$273,682 28

LEVI L. BARBOUR,
ARTHUR HILL,
Finance Committee.

STATISTICAL TABLES.

STATISTICAL TABLES.

TABLE I.

Comparative summary of statistics for the years 1904 and 1905.

Items.	1904.	1905.	Increase.	Decrease.
Districts and schools.				
Number of townships and cities reporting	1,297	1,312	15	
Number of graded school districts	575	579	4	
Number of ungraded school districts	6,680	6,688	8	
Total	7,255	7,267	12	
Number of township unit districts	133	135	2	
School census of graded school districts	423,061	426,890	3,829	
School census of ungraded school districts	321,949	316,294		5,655
Total	745,010	743,184		1,826
Enrollment in graded school districts	278,816	301,453	22,637	
Enrollment in ungraded school districts	218,483	220,010	1,527	
Total	497,299	521,463	24,164	
Enrollment in graded school districts:				
Resident pupils	278,816	301,453	22,637	
Non-resident pupils	9,759	10,012	253	
Total	288,575	311,465	22,890	
Enrollment in ungraded school districts:				
Resident pupils	218,483	220,010	1,527	
Non-resident pupils	8,328	8,909	581	
Total	226,811	228,919	2,108	
Enrollment in all school districts:				
Resident pupils	497,299	521,463	24,164	
Non-resident pupils	18,087	18,921	834	
Total	515,386	540,384	24,998	

TABLE I.—CONTINUED.

Items.	1904.	1905.	Increase.	Decrease.
Enrollment in city school districts	223,874	229,850	5,976	
Percentage of attendance for the State	65	66	1	
Percentage of attendance in graded school districts	80	81	1	
Number of districts reporting having maintained school	7,165	7,207	42	
Average duration in months in graded schools	9.4	9.5	0.1	
Average duration in months in ungraded schools	8.1	8.3	0.2	
Average for the State	8.3	8.7	0.4	
Number of private and parochial schools reported	543	473		70
Number of men teachers in such schools	368	404	36	
Number of women teachers in such schools	938	979	41	
Estimated number of pupils attending such schools	55,065	59,316	4,251	
Number of day schools for the deaf in the State	10	13	3	
Number of teachers employed in same	18	23	5	
Number of pupils attending same	132	165	33	
Number of county normal training classes in the State	8	19	11	
Number of teachers employed in same	24	67	43	
Number of graduates	88	245	157	
Teachers and their employments.				
Number of teachers necessary to supply graded schools	7,327	7,614	287	
Number of teachers necessary to supply ungraded schools	7,381	7,383	2	
Total	14,708	14,997	289	
Number of men teachers employed in graded schools	958	975	17	
Number of men teachers employed in ungraded schools	1,726	1,683		43
Total	2,684	2,658		26
Number of women teachers employed in graded schools	6,536	6,807	271	
Number of women teachers employed in ungraded schools	7,545	7,358		187
Total	14,081	14,165	84	

TABLE I.—CONTINUED.

Items.	1904.	1905.	Increase.	Decrease.
Whole number of different teachers employed in graded schools	7,494	7,782	288	.....
Whole number of different teachers employed in ungraded schools	9,271	9,041	.....	230
Total	16,765	16,823	58	.....
Average number of months taught by men in graded schools	9.29	9.29	0.02	.....
Average number of months taught by men in ungraded schools	6.57	6.85	0.28	.....
General average	7.53	7.74	0.21	.....
Average number of months taught by women in graded schools	9.54	9.54	.....	.....
Average number of months taught by women in ungraded schools	6.51	6.58	0.07	.....
General average	7.92	8.	0.08	.....
Total wages of men teachers in graded schools	$762,310 06	$793,962 82	$31,652 76	.....
Total wages of men teachers in ungraded schools	396,857 86	446,332 93	49,475 07	.....
Total	$1,159,167 92	$1,240,295 75	$81,127 83	.....
Total wages of women teachers in graded schools	$3,030,736 23	$3,192,712 10	$161,975 87	.....
Total wages of women teachers in ungraded schools	1,490,522 32	1,576,218 29	85,695 97	.....
Total	$4,521,258 55	$4,768,930 39	$247,671 84	.....
Aggregate wages of all teachers in graded schools	$3,793,046 29	$3,986,674 92	$193,628 63	.....
Aggregate wages of all teachers in ungraded schools	1,887,380 18	2,022,551 22	135,171 04	.....
Total	$5,680,426 47	$6,009,226 14	$328,799 67	.....
Aggregate wages of teachers in city school districts	$2,612,816 87	$2,772,525 28	$159,708 41	.....
Average monthly wages of men teachers in graded schools	$85 84	$87 63	$1 79	.....
Average monthly wages of men teachers in ungraded schools	35 00	38 70	3 70	.....
Average monthly wages of men teachers in all schools	$57 33	$60 22	$2 89	.....
Average monthly wages of women teachers in graded schools	$48 60	$49 13	$0 53	.....
Average monthly wages of women teachers in ungraded schools	30 34	34 64	4 30	.....

TABLE I.—CONTINUED.

Items.	1904.	1905.	Increase.	Decrease.
Average monthly wages of women teachers in all schools	$40 55	$42 06	$1 51	.....
Examination and certification of teachers.				
Number of public examinations held	313	309	.....	4
Number of applicants for regular certificates	10,871	11,527	656	.....
Number of county first grade certificates granted	86	76	.....	10
Number of indorsed first grade certificates granted	50	37	.....	13
Number of second grade certificates granted	1,843	2,083	240	.....
Number of third grade certificates granted	4,234	4,261	27	.....
Whole number of regular certificates granted	6,213	6,457	244	.....
Number of applicants for special certificates	1,429	1,271	.....	158
Number of special certificates granted	1,165	1,014	.....	151
Number holding certificates issued or indorsed by State board of education	607	424	.....	183
Number holding normal school certificates	1,278	1,546	268	.....
Number holding certificates issued by city boards of education	2,135	3,379	1,244	.....
Number holding county normal training class certificates	.....	325	.....	.....
Whole number of legally qualified teachers	15,715	17,022	1,307	.....
Number licensed without previous experience in teaching	1,964	2,152	188	.....
Number of applicants who had attended State normal	662	942	280	.....
Number of applicants who had attended institutes during the year	3,537	4,236	699	.....
School property.				
Number of schoolhouses	8,293	8,308	15	.....
Number of schoolhouses to be built during year	147	147	.....	.....
Cost of same	$890,474 75	$1,180,220 50	$289,745 75	.....
Estimated value of property in graded school districts	$19,694,872 00	$20,309,311 00	$614,439 00	.....
Estimated value of property in ungraded school districts	5,819,790 00	5,653,991 00	.....	$165,799 00
Total	$25,514,662 00	$25,963,302 00	$448,640 00	.....
Financial.				
Amount of one mill tax received	$1,082,585 04	$1,055,921 16	.....	$26,663 88
Amount of primary school interest fund received	2,248,721 55	2,328,776 11	$80,054 56	.....
Amount received from non-resident tuition	97,301 05	99,712 48	2,411 43	.....
Amount received from district taxes	5,471,760 63	5,446,501 85	.....	25,258 78
Amount received from all other sources	596,607 71	829,159 82	232,552 11	.....
Total net receipts	$9,496,975 98	$9,760,071 42	$263,095 44	.....
Amount received from loans	617,347 81	756,108 70	138,760 89	.....
Balance on hand from preceding year	2,226,102 44	2,538,526 33	312,423 89	.....
Total resources, including amount on hand from preceding year	$12,340,426 23	$13,054,706 45	$714,280 22	.....

TABLE I.—CONTINUED.

Items.	1904.	1905.	Increase.	Decrease.
Amount paid men teachers	$1,161,080 94	$1,239,908 03	$78,827 09	
Amount paid women teachers	4,527,022 30	4,767,744 71	240,722 41	
Amount paid for building and repairs	1,265,896 02	1,321,558 73	55,662 71	
Amount paid for interest on loans	135,995 35	150,937 75	14,942 40	
Amount paid for all other purposes	2,068,019 45	2,150,547 11	82,527 66	
Total net expenditures	$9,158,014 06	$9,630,696 33	$472,682 27	
Amount paid on bonded indebtedness	699,124 94	486,689 71		$212,435 23
Balance carried to next year	2,483,287 23	2,937,320 41	454,033 18	
Total expenditures, including balance on hand	$12,340,426,23	$13,054,706 45	$714,280 22	
Total expenditures in graded school districts	$6,392,056 85	$6,792,837 85	$400,781 00	
Total expenditures in ungraded school districts	2,765,957 21	2,837,858 48	71,901 27	
Total net expenditures	$9,158,014 06	$9,630,696 33	$472,682 27	
Total bonded indebtedness of districts	$2,992,880 15	$3,364,676 40	$371,796 25	
Total floating indebtedness of districts	228,118 23	224,245 07		$3,873 16
Total indebtedness	$3,220,998 38	$3,588,921 47	$367,923 09	
Total indebtedness in graded school districts	$2,936,889 27	$3,273,405 84	$336,516 57	
Total indebtedness in ungraded school districts	284,109 11	315,515 63	31,406 52	
Total indebtedness	$3,220,998 38	$3,588,921 47	$367,923 09	
Total amount due the districts	$393,794 75	$325,410 87		$68,383 88
Amount received from non-resident tuition in graded school districts	$90,848 51	$94,601 11	$3,752 60	
Amount received from non-resident tuition in ungraded school districts	6,452 54	5,111 37		$1,341 17
Total	$97,301 05	$99,712 48	$2,411 43	
School libraries.				
Number of townships reporting libraries	374	360		14
Number of districts reporting libraries	4,665	4,930	265	
Total number of libraries	5,039	5,290	251	
Number of volumes in township libraries	161,287	157,441		3,846
Number of volumes in district libraries	1,020,154	1,133,024	112,870	
Total number of volumes in all libraries	1,181,441	1,290,465	109,024	

TABLE I.—CONTINUED.

Items.	1904.	1905.	Increase.	Decrease.
Amount of taxes voted for township libraries	$4,009 84	$5,131 30	$1,121 46	.....
Amount received from county treasurers for township libraries	7,948 40	7,713 26	.....	$235 14
Number of townships diverting money to general school purposes	171	94	.....	77
Number of townships forfeiting library money	667	763	96	.....
Amount paid for support of township libraries	$12,131 62	$12,365 93	$234 31	.....
Amount paid for support of district libraries	149,004 70	158,503 39	9,498 69	.....
Teachers' institutes.				
Number of State institutes held	106	112	6	.....
Number of men enrolled at such institutes	1,991	2,388	397	.....
Number of women enrolled at such institutes	8,889	11,934	3,045	
Total enrollment	10,880	14,322	3,442	.....
Amount received from State treasurer for such institutes	$3,302 71	$2,149 11	.....	$1,153 60
Amount received from county treasurer for such institutes	10,229 34	10,053 09	.....	176 25
Total amount expended	$13,532 05	$12,202 20	.....	$1,329 85
Miscellaneous.				
Number of counties reporting county teachers' associations	64	64	.....	.....
Amount of per diem received by examiners	$20,159 17	$21,216 55	$1,057 38	.....
Amount paid commissioners of schools	73,675 00	75,475 00	1,800 00	.....
Total compensation	$93,834 17	$96,691 55	$2,857 38	.....
Amount allowed by supervisors for expenses of county boards	$11,341 42	$12,936 72	$1,595 30	.....
Amount paid and due township inspectors for services	17,767 18	17,979 43	212 25	.....
Amount paid chairmen of boards of inspectors	41,606 32	44,180 93	2,574 61	.....
Total amount of primary school interest fund apportioned	$2,341,343 10	$2,452,840 80	$111,497 70	.....

TABLE I.—CONCLUDED.

Items.	1904.	1905.	Increase.	Decrease.
Rate per capita, May apportionment	$0 60	$0 60	.....	.....
Rate per capita, November apportionment	2 55	2 70	$0 15	.....
Rate per capita for year	$3 15	$3 30	$0 15	.....
Number of eighth grade diplomas granted during year	3,414	7,012	3,598	.....
Number of pupils in eighth grade exclusive of graded schools	10,863	14,509	3,646	
Number of districts furnishing free text-books	821	888	67	.....
Number of districts reporting dictionaries in schools	6,909	7,094	185	.....
Number of districts reporting globes in schools	5,984	6,113	129	.....
Number of districts reporting maps in schools	6,563	6,616	53	.....
Total number of U. S. flags in school districts	6,593	6,757	164	.....

TABLE II.

Fortieth and forty-first semi-annual apportionment of the primary school interest fund.

Counties.	Apportionment made May 10, 1905, rate per capita, 60 cents.			Apportionment made November 10, 1905, rate per capita, $2.70.		
	Whole number of children.	Number children included in apportionment.	Amount apportioned.	Whole number of children.	Number children included in apportionment.	Amount apportioned.
Totals	745,010	743,272	$445,963 20	745,010	743,288	$2,006,877 60
Alcona	2,097	2,097	$1,258 20	2,097	2,097	$5,661 90
Alger	1,756	1,756	1,053 60	1,756	1,756	4,741 20
Allegan	11,953	11,941	7,164 60	11,953	11,941	32,240 70
Alpena	7,008	7,008	4,204 80	7,008	7,008	18,921 60
Antrim	4,949	4,949	2,969 40	4,949	4,949	13,362 30
Arenac	3,787	3,751	2,250 60	3,787	3,751	10,127 70
Baraga	1,818	1,818	*a* 1,090 80	1,818	1,818	4,908 60
Barry	5,940	5,926	3,555 60	5,940	5,926	16,000 20
Bay	22,263	22,263	13,357 80	22,263	22,263	60,110 10
Benzie	3,334	3,313	1,987 80	3,334	3,313	8,945 10
Berrien	14,415	14,404	8,642 40	14,415	14,404	38,890 80
Branch	6,505	6,505	3,903 00	6,505	6,505	17,563 50
Calhoun	12,710	12,695	7,617 00	12,710	12,695	34,276 50
Cass	5,144	5,124	3,074 40	5,144	5,124	13,834 80
Charlevoix	5,169	5,156	3,093 60	5,169	5,156	13,921 20
Cheboygan	5,715	5,695	3,417 00	5,715	5,695	15,376 50
Chippewa	6,931	6,931	4,158 60	6,931	6,931	18,713 70
Clare	3,169	3,096	1,857 60	3,169	3,096	8,359 20
Clinton	6,854	6,854	4,112 40	6,854	6,854	18,505 80
Crawford	1,056	1,026	615 60	1,056	1,026	2,770 20
Delta	8,299	8,254	4,952 40	8,299	8,254	22,285 80
Dickinson	6,554	6,554	3,932 40	6,554	6,554	17,695 80
Eaton	7,290	7,290	4,374 00	7,290	7,290	19,683 00
Emmet	5,115	5,104	3,062 40	5,115	5,104	13,780 80
Genesee	10,722	10,722	6,433 20	10,722	10,722	28,949 40
Gladwin	2,959	2,904	1,742 40	2,959	2,904	7,840 80
Gogebic	5,535	5,515	3,309 00	5,535	5,515	14,890 50
Grand Traverse	6,622	6,610	3,966 00	6,622	6,610	17,847 00
Gratiot	8,719	8,707	5,224 20	8,719	8,707	23,508 90
Hillsdale	7,443	7,336	*b* 4,401 60	7,443	7,352	*e* 19,850 40
Houghton	23,435	23,435	14,061 00	23,435	23,435	63,274 50
Huron	13,042	13,031	7,818 60	13,042	13,031	35,183 70
Ingham	10,437	10,437	6,262 20	10,437	10,437	28,179 90
Ionia	9,015	8,986	5,391 60	9,015	8,986	24,262 20
Iosco	3,729	3,694	2,216 40	3,729	3,694	9,973 80
Iron	2,787	2,787	1,672 20	2,787	2,787	7,524 90
Isabella	7,453	7,453	4,471 80	7,453	7,453	20,123 10
Jackson	11,340	11,312	6,787 20	11,340	11,312	30,542 40
Kalamazoo	11,658	11,639	6,983 40	11,658	11,639	31,425 30
Kalkaska	2,162	2,162	1,297 20	2,162	2,162	5,837 40
Kent	39,310	39,267	*c* 23,560 20	39,310	39,267	*f* 106,020 90
Keweenaw	1,252	1,252	751 20	1,252	1,252	3,380 40
Lake	1,566	1,490	894 00	1,566	1,490	4,023 00
Lapeer	7,780	7,759	4,655 40	7,780	7,759	20,949 30
Leelanau	3,754	3,754	2,252 40	3,754	3,754	10,135 80

a Includes $1,477.35 deficiency May and November, 1904.
b Less $37.20 for employing unqualified teacher during 1903-04.
c Less $24.00 for employing unqualified teacher during 1903-04.
e Less $157.80 for employing unqualified teachers during 1903-04.
f Less $108.00 for employing unqualified teacher during 1903-04.

TABLE II.—CONCLUDED.

Counties.	Apportionment made May 10, 1905, rate per capita, 60 cents.			Apportionment made November 10, 1905, rate per capita, $2.70.		
	Whole number of children.	Number children included in apportionment.	Amount apportioned.	Whole number of children.	Number children included in apportionment.	Amount apportioned.
Lenawee	12,379	12,358	$7,414 80	12,379	12,358	$33,366 60
Livingston	4,825	4,810	2,886 00	4,825	4,810	12,987 00
Luce	827	827	496 20	827	827	2,232 90
Mackinac	2,710	2,701	1,620 60	2,710	2,701	*g* 7,292 70
Macomb	10,413	10,393	6,235 80	10,413	10,393	28,061 10
Manistee	9,425	9,422	5,653 20	9,425	9,422	25,439 40
Marquette	13,046	13,046	7,827 60	13,046	13,046	35,224 20
Mason	6,789	6,752	4,051 20	6,789	6,752	18,230 40
Mecosta	6,744	6,730	4,038 00	6,744	6,730	18,171 00
Menominee	9,929	9,863	5,917 80	9,929	9,863	26,630 10
Midland	5,035	4,997	2,998 20	5,035	4,997	13,491 90
Missaukee	3,387	3,361	2,016 60	3,387	3,361	9,074 70
Monroe	10,303	10,303	6,181 80	10,303	10,303	27,818 10
Montcalm	10,202	10,202	6,121 20	10,202	10,202	27,545 40
Montmorency	1,119	1,119	671 40	1,119	1,119	3,021 30
Muskegon	12,732	12,691	7,614 60	12,732	12,691	34,265 70
Newaygo	6,196	6,182	3,709 20	6,196	6,182	16,691 40
Oakland	11,321	11,242	6,745 20	11,321	11,242	30,353 40
Oceana	5,613	5,611	3,366 60	5,613	5,611	15,149 70
Ogemaw	3,015	2,958	1,774 80	3,015	2,958	7,986 60
Ontonagon	1,963	1,947	1,168 20	1,963	1,947	5,256 90
Osceola	6,176	6,176	3,705 60	6,176	6,176	16,675 20
Oscoda	531	506	303 60	531	506	1,366 20
Otsego	2,071	2,005	1,203 00	2,071	2,005	5,413 50
Ottawa	13,800	13,800	8,280 00	13,800	13,800	37,260 00
Presque Isle	3,524	3,467	2,080 20	3,524	3,467	9,360 90
Roscommon	557	527	316 20	557	527	1,422 90
Saginaw	26,836	26,707	16,024 20	26,836	26,707	72,108 90
St. Clair	16,596	16,540	9,924 00	16,596	16,540	44,658 00
St. Joseph	5,935	5,935	3,561 00	5,935	5,935	16,024 50
Sanilac	11,921	11,921	7,152 60	11,921	11,921	32,186 70
Schoolcraft	2,476	2,427	1,456 20	2,476	2,427	6,552 90
Shiawassee	8,710	8,654	5,192 40	8,710	8,654	23,365 80
Tuscola	11,109	11,109	6,665 40	11,109	11,109	29,994 30
Van Buren	9,812	9,812	5,887 20	9,812	9,812	26,492 40
Washtenaw	11,861	11,861	7,116 60	11,861	11,861	32,024 70
Wayne	109,011	109,011	65,406 60	109,011	109,011	294,329 70
Wexford	5,560	5,537	*d* 3,322 20	5,560	5,537	14,949 90

d Includes $28.35 deficiency May and November, 1904.
g Less $810.00 for employing unqualified teachers during 1903-04.

TABLE III.

General school statistics as reported by school inspectors for the year ending July 10, 1905.

Counties.	Number of townships and cities reporting.	Whole number of school districts.	Number of districts that maintained school.	Number of graded school districts.	Number of township unit districts.	Number of children 5 years of age and under 20.	Number of children 5 years of age and under 20 that attended school during the year.	Whole number of days of school.	Percentage of attendance.	Number of schoolhouses.	Estimated value of school property.	Number of schoolhouses to be built during ensuing year.	Average number months of school.
Totals	1,312	7,267	7,207	579	135	743,184	521,463	1,205,438	66	8,308	$25,963,302	147	8.7
Alcona	11	34	34	1	3	2,075	1,467	5,345	54	36	$30,475	1	7.8
Alger	7	7	7	2	7	1,822	1,479	1,179	79	30	35,148	1	8.4
Allegan	24	184	184	18	.....	11,770	8,977	31,133	64	193	287,314	1	8.4
Alpena	8	19	19	2	5	6,862	3,926	2,937	66	66	118,230	1	7.7
Antrim	15	72	71	6	.....	4,961	4,006	11,375	60	78	140,680	1	8.
Arenac	11	41	41	8	.....	3,765	2,710	6,934	64	42	59,895	.....	8.4
Baraga	5	5	5	2	5	1,821	1,187	952	62	20	38,424	3	9.5
Barry	17	144	143	5	.....	5,865	4,506	23,383	71	148	205,637	.....	8.1
Bay	15	70	70	3	1	22,366	12,013	12,233	60	92	651,586	2	8.7
Benzie	12	53	52	6	.....	3,270	2,692	7,806	65	53	86,350	1	7.5
Berrien	23	146	145	19	.....	14,466	10,715	23,845	73	160	471,670	.....	8.2
Branch	17	128	128	5	.....	6,412	4,982	21,536	68	131	258,525	1	8.4
Calhoun	23	164	164	8	.....	12,352	9,700	28,085	68	183	728,139	.....	8.5
Cass	16	112	110	5	.....	5,029	3,958	18,473	68	115	195,600	.....	8.4
Charlevoix	15	66	66	5	.....	5,367	4,164	10,178	65	73	154,926	1	7.7
Cheboygan	18	57	57	3	3	5,859	3,917	8,709	61	75	132,684	5	7.6
Chippewa	15	53	52	4	8	6,956	5,146	7,682	66	82	295,615	4	7.4
Clare	17	62	59	3	.....	3,112	2,257	8,565	64	58	71,215	.....	7.2
Clinton	17	129	129	6	.....	6,666	4,837	22,118	64	131	191,627	.....	8.6
Crawford	5	24	20	1	.....	1,112	869	2,492	69	25	21,625	1	6.2
Delta	16	31	28	3	9	8,557	5,922	4,409	69	72	187,948	5	7.8
Dickinson	8	8	8	2	6	6,494	4,818	1,563	85	35	286,450	5	9.7
Eaton	18	146	145	10	.....	7,174	5,644	24,615	72	154	212,575	1	8.5
Emmet	16	74	74	5	.....	5,147	3,749	10,955	66	79	120,135	.....	7.4
Genesee	20	157	157	11	.....	10,833	8,808	27,294	65	166	513,820	.....	8.7

Gladwin	13	45	45	3	2	3,042	2,254	7,019	61	48	41,477	8	7.8
Gogebic	7	7	7	3	5	5,692	4,655	1,287	83	35	296,600	3	9.2
Grand Traverse	14	68	68	3	.....	6,324	5,244	10,218	60	75	229,535	.....	7.5
Gratiot	19	133	133	11	.....	8,495	6,724	21,758	67	134	201,516	1	8.1
Hillsdale	19	163	161	14	.....	7,429	5,779	27,545	71	170	284,000	.....	8.5
Houghton	14	34	33	9	3	24,142	16,352	6,314	76	90	527,806	8	9.5
Huron	27	117	116	18	.....	12,704	8,469	21,086	59	120	178,175	7	9.
Ingham	17	137	137	10	.....	10,541	7,883	23,385	67	154	400,300	1	8.5
Ionia	18	142	142	12	.....	8,790	6,540	24,572	69	152	250,350	1	8.6
Iosco	13	30	30	5	1	3,597	2,590	5,033	67	37	36,890	3	8.4
Iron	8	8	8	3	8	2,865	2,258	1,485	76	34	112,862	4	9.3
Isabella	17	105	105	3	.....	7,405	4,782	17,259	63	108	133,000	1	8.2
Jackson	20	156	154	9	.....	11,170	7,673	26,782	70	171	343,252	2	8.7
Kalamazoo	17	136	136	9	.....	12,251	9,136	22,822	71	147	777,700	.....	8.3
Kalkaska	11	51	51	2	.....	2,228	1,799	7,756	60	50	65,390	.....	7.6
Kent	25	205	203	17	.....	39,291	24,690	35,328	63	243	1,644,680	4	8.7
Keweenaw	5	5	5	1	3	1,343	921	948	66	10	39,000	.....	9.5
Lake	11	46	41	3	.....	1,558	1,201	5,424	63	45	34,093	2	6.6
Lapeer	19	135	135	11	.....	7,465	5,750	23,570	65	138	173,075	.....	8.7
Leelanau	11	58	58	4	.....	3,712	2,577	8,120	57	56	58,150	1	7.
Lenawee	24	196	194	13	.....	12,231	9,090	33,400	71	209	467,782	2	8.6
Livingston	16	134	133	4	.....	4,773	3,692	22,537	63	137	152,615	1	8.4
Luce	4	4	4	1	4	870	787	715	72	15	23,800	.....	8.9
Mackinac	13	13	13	2	11	2,667	1,974	2,019	70	52	49,700	3	7.7
Macomb	15	114	114	14	.....	10,435	6,327	20,105	64	121	283,939	.....	8.8
Manistee	13	64	64	6	.....	9,423	5,496	10,315	66	70	208,525	.....	8.1
Marquette	21	21	21	6	18	13,229	9,412	3,761	67	73	640,800	3	8.9
Mason	15	64	64	3	.....	6,607	4,662	10,289	65	74	197,810	2	8.
Mecosta	17	107	107	6	.....	6,585	4,957	17,217	60	110	126,055	2	8.
Menominee	11	40	40	3	6	9,604	6,876	6,280	65	91	258,130	3	7.8
Midland	17	78	77	3	.....	4,984	3,772	12,347	60	82	117,075	.....	8.
Missaukee	14	58	58	4	.....	3,472	2,756	8,928	62	60	71,520	3	7.7
Monroe	16	138	138	6	.....	9,915	6,619	23,520	62	141	193,825	2	8.5
Montcalm	22	142	141	13	.....	10,216	7,591	24,188	65	146	185,440	1	8.6
Montmorency	7	8	8	1	6	1,124	852	1,298	64	28	19,350	1	8.1
Muskegon	19	93	90	9	.....	12,390	9,731	14,512	62	114	1,391,919	1	8.1
Newaygo	22	117	116	5	.....	6,137	4,702	17,858	63	118	116,785	2	7.7
Oakland	26	205	199	15	.....	10,950	8,273	33,536	68	212	512,345	1	8.4
Oceana	16	90	89	3	.....	5,598	4,157	14,155	62	92	115,180	1	7.9
Ogemaw	13	46	44	3	1	3,068	2,307	7,305	61	46	52,800	.....	8.8
Ontonagon	9	9	9	3	9	2,185	1,975	1,548	77	42	93,646	2	8.6
Osceola	16	93	93	6	.....	6,089	4,539	15,209	61	95	122,585	3	8.1
Oscoda	3	15	13	.....	1	596	463	1,741	64	22	8,600	2	6.7
Otsego	9	36	34	3	1	2,177	1,633	4,987	63	41	50,350	2	7.3
Ottawa	17	123	123	25	.....	13,596	9,653	21,487	70	131	313,775	1	8.8

TABLE III.—CONCLUDED.

Counties.	Number of townships and cities reporting.	Whole number of school districts.	Number of districts that maintained school.	Number of graded school districts.	Number of township unit districts.	Number of children 5 years of age and under 20.	Number of children 5 years of age and under 20 that attended school during the year.	Whole number of days of school.	Percentage of attendance.	Number of schoolhouses.	Estimated value of school property.	Number of schoolhouses to be built during ensuing year.	Average number months of school.
Presque Isle	14	35	35	3	2	3,535	2,113	4,550	64	41	$49,550	4	6.5
Roscommon	7	21	19	1	.....	562	349	1,749	64	21	9,507	2	4.6
Saginaw	30	164	163	9	.....	26,910	15,849	28,255	66	185	901,884	1	8.7
St. Clair	26	155	155	8	.....	16,574	10,830	27,193	65	174	925,475	2	8.8
St. Joseph	18	123	123	8	.....	5,966	4,471	20,682	73	129	285,850	2	8.4
Sanilac	27	154	154	23	.....	11,835	9,099	28,073	57	152	186,950	1	9.1
Schoolcraft	9	11	11	1	7	2,584	1,862	1,845	78	35	96,220	2	8.4
Shiawassee	18	124	122	10	.....	8,523	6,662	21,660	68	129	348,100	1	8.8
Tuscola	23	149	149	11	.....	10,805	7,810	26,340	60	151	201,280	3	8.8
Van Buren	19	153	153	15	.....	9,727	7,472	25,372	68	156	307,100	.....	8.3
Washtenaw	22	167	167	8	.....	11,713	8,304	28,755	68	177	531,305	3	8.6
Wayne	23	154	154	26	.....	109,751	69,997	28,048	68	236	4,860,098	7	9.1
Wexford	17	82	80	6	.....	5,571	4,563	12,152	65	86	161,488	1	7.6

TABLE IV.

Employment of teachers as reported by school inspectors for the year ending July 10, 1905.

Counties.	Number of teachers required.		Number of different teachers employed.		Aggregate number of months taught.		Total wages of teachers.			Average monthly wages.	
	Graded schools.	Ungraded schools.	Men.	Women.	Men.	Women.	Men.	Women.	Total.	Men.	Women.
Totals	7,614	7,383	2,658	14,165	20,594	113,369	$1,240,295 75	$4,768,930 39	$6,009,226 14	$60 22	$42 07
Alcona	4	36	9	33	79	241	$3,511 50	$8,110 00	$11,621 50	$44 45	$33 65
Alger	29	22	8	46	64	397	4,865 00	19,830 00	24,695 00	76 64	49 95
Allegan	90	173	57	242	439	1,829	21,883 39	60,223 15	82,106 54	49 85	32 93
Alpena	49	54	6	110	56	865	4,252 00	31,453 28	35,705 28	75 93	36 36
Antrim	53	67	23	127	171	832	9,132 97	31,702 50	40,835 47	53 41	38 10
Arenac	29	33	21	53	163	388	7,512 43	13,939 25	21,451 68	46 09	35 93
Baraga	26	7	7	26	68	226	5,460 00	10,899 50	16,359 50	80 29	48 23
Barry	48	143	54	179	315	1,271	14,646 62	43,625 22	58,271 84	46 50	34 32
Bay	241	80	37	288	341	2,756	25,114 50	100,716 32	125,830 82	73 65	36 54
Benzie	38	47	15	97	112	575	6,315 00	20,551 12	26,866 12	56 38	35 74
Berrien	165	138	76	238	601	2,022	35,714 90	78,922 44	114,637 34	59 43	39 03
Branch	64	125	45	188	333	1,338	16,495 47	46,884 23	63,379 70	49 54	35 04
Calhoun	209	158	51	327	408	2,713	25,932 70	103,559 21	129,491 91	63 56	38 17
Cass	50	108	33	135	275	1,093	13,631 17	37,608 33	51,239 50	49 82	34 41
Charlevoix	57	64	22	119	147	833	8,080 30	30,428 81	38,509 11	54 97	36 53
Cheboygan	37	72	15	110	112	818	7,259 00	30,130 85	37,389 85	64 81	36 83
Chippewa	82	81	37	173	292	916	17,852 25	40,785 99	58,638 24	61 14	44 52
Clare	20	60	32	66	209	395	8,364 00	12,714 27	21,078 27	40 02	32 19
Clinton	48	127	33	169	245	1,322	11,666 75	43,815 87	55,482 62	47 62	33 14
Crawford	11	25	6	33	34	202	1,840 00	7,746 65	9,586 65	54 12	38 35
Delta	71	77	12	140	105	1,192	8,040 50	53,608 25	61,648 75	76 58	44 97
Dickinson	89	36	16	110	149	1,057	14,144 02	55,860 95	70,004 97	94 93	52 85
Eaton	85	138	36	232	275	1,706	14,365 25	63,029 13	77,394 38	52 24	36 95
Emmet	52	72	18	141	113	893	7,056 00	34,604 83	41,660 83	62 44	38 75
Genesee	124	152	63	242	493	2,071	23,417 98	76,157 64	99,575 62	47 50	36 77
Gladwin	15	42	13	58	91	369	3,789 50	12,188 72	15,978 22	41 64	33 03
Gogebic	109	17	9	118	84	1,160	8,610 00	57,469 39	66,079 39	102 50	49 54
Grand Traverse	64	70	23	136	160	963	10,322 00	37,040 85	47,362 85	64 51	38 46
Gratiot	65	124	57	188	343	1,286	16,082 41	47,180 97	63,263 38	46 89	36 69
Hillsdale	77	155	61	213	459	1,562	19,648 70	47,217 43	66,866 13	43 57	30 07

TABLE IV.—CONCLUDED.

Counties.	Number of teachers required.		Number of different teachers employed.		Aggregate number of months taught.		Total wages of teachers.			Average monthly wages.	
	Graded schools.	Ungraded schools.	Men.	Women.	Men.	Women.	Men.	Women.	Total.	Men.	Women.
Houghton	341	78	47	377	447	3,668	$43,683 00	$193,756 74	$237,439 74	$97 72	$52 82
Huron	63	103	54	119	475	1,068	22,781 25	37,437 25	60,218 50	47 96	35 05
Ingham	136	129	62	286	412	1,980	21,199 50	79,407 55	100,607 05	51 45	40 10
Ionia	93	133	36	242	271	1,867	14,220 95	63,140 51	77,361 46	52 48	33 82
Iosco	35	27	11	56	80	481	4,348 42	15,864 98	20,213 40	54 36	32 98
Iron	50	15	9	55	84	530	6,140 00	26,021 50	32,161 50	73 10	49 10
Isabella	25	103	40	130	251	840	11,755 00	28,938 62	40,693 62	46 83	34 45
Jackson	137	148	51	294	379	2,250	19,243 50	89,618 11	108,861 61	50 77	39 83
Kalamazoo	173	132	52	280	401	2,388	23,588 00	94,869 52	118,457 52	58 82	39 73
Kalkaska	14	50	12	81	70	436	3,454 00	15,714 51	19,168 51	49 34	36 04
Kent	490	196	78	662	627	5,903	44,356 10	321,936 65	366,292 75	70 74	54 50
Keweenaw	2	20	9	14	86	127	5,835 00	6,235 00	12,070 00	67 85	49 88
Lake	11	41	9	56	59	281	2,575 00	8,530 75	11,105 75	43 64	30 36
Lapeer	61	126	30	171	254	1,445	13,078 50	46,169 10	59,247 60	51 49	31 95
Leelanau	14	57	16	63	123	407	6,227 50	14,435 15	20,662 65	50 63	35 47
Lenawee	123	191	63	300	472	2,323	25,077 25	78,828 93	103,906 18	53 13	33 93
Livingston	36	132	47	171	293	1,182	11,946 37	33,726 94	45,673 31	40 77	28 53
Luce	17	11	4	30	40	219	2,630 00	9,720 00	12,350 00	65 75	44 38
Mackinac	14	52	11	65	72	416	4,124 50	16,859 00	20,983 50	57 28	40 53
Macomb	88	101	40	161	342	1,385	19,178 37	46,771 25	65,949 62	56 08	33 77
Manistee	93	66	24	144	202	1,247	11,892 50	51,084 17	62,976 67	58 87	40 97
Marquette	191	49	20	226	195	2,098	20,515 00	111,578 51	132,093 51	105 21	53 18
Mason	56	67	21	113	141	928	8,141 00	37,390 50	45,531 50	57 74	40 29
Mecosta	40	103	33	149	201	1,009	8,996 22	34,448 94	43,445 16	44 76	34 14
Menominee	81	86	20	152	175	1,288	12,596 50	55,244 22	67,840 72	71 98	42 89
Midland	26	77	20	96	152	713	6,566 45	23,090 15	29,656 60	43 20	32 38
Missaukee	21	56	20	76	131	475	5,946 00	17,020 99	22,966 99	45 39	35 83
Monroe	46	138	44	161	355	1,254	15,929 50	40,660 62	56,590 12	44 87	32 42
Montcalm	81	130	45	214	334	1,531	16,796 45	50,055 80	66,852 25	50 29	32 69
Montmorency	7	26	8	32	59	224	2,375 00	7,093 75	9,468 75	40 25	31 67
Muskegon	163	85	32	239	287	1,971	25,374 00	81,453 06	106,827 06	88 41	41 33
[illegible]ravo	32	113	27	180	177	982	8,199 98	31,533 13	39,733 11	46 33	32 11
[illegible]	122	193	39	286	339	2,459	20,638 25	78,618 85	99,257 10	60 88	31 97
[illegible]	29	91	31	110	220	768	10,392 50	26,831 63	37,224 13	47 24	34 94
[illegible]	15	43	8	55	61	427	2,641 50	14,354 75	16,996 25	43 30	33 62

Ontonagon	42	30	10	66	84	592	6,240 00	28,171 25	34,411 25	74 29		47 59
Oscelola	43	90	29	146	210	929	10,905 15	32,458 00	43,363 15	51 93		34 94
Oscoda		21	12	18	54	80	1,886 00	2,368 50	4,254 50	34 93		29 61
Otsego	20	39	9	50	69	373	3,860 00	13,637 25	17,497 25	55 94		36 56
Ottawa	132	102	41	201	368	1,800	20,480 50	64,070 13	84,550 63	55 65		35 59
Presque Isle	22	35	15	47	91	333	4,193 00	12,123 75	16,316 75	46 08		36 41
Roscommon	3	20	4	24	22	86	1,006 56	2,692 00	3,698 56	45 75		31 30
Saginaw	257	168	57	406	456	2,566	36,379 30	156,991 45	193,370 75	79 78		61 18
St. Clair	143	150	40	266	332	2,403	20,196 00	90,127 91	110,323 91	60 83		37 51
St. Joseph	83	117	49	186	349	1,411	16,788 74	46,436 05	63,224 79	48 11		32 91
Sanilac	57	134	60	135	543	1,209	24,376 60	41,534 05	65,910 65	44 89		34 35
Schoolcraft	7	30	13	48	107	457	6,064 75	20,263 00	26,357 75	56 96		46 37
Shiawassee	102	116	43	215	312	1,706	18,441 00	60,926 35	79,367 35	59 11		35 71
Tuscola	63	145	47	183	403	1,478	19,220 86	48,306 48	67,527 34	48 91		32 68
Van Buren	94	140	61	204	428	1,589	22,339 24	54,791 73	77,130 97	52 19		34 48
Washtenaw	159	161	40	295	347	2,604	28,694 03	92,864 57	121,558 60	82 60		35 66
Wayne	1,302	136	140	1,322	1,313	12,924	136,162 60	816,263 10	952,425 70	103 70		63 16
Wexford	58	78	20	161	103	988	5,582 05	38,458 53	44,040 59	54 19		38 93

TABLE V.

Resources of school districts as reported by school inspectors for the year ending July 10, 1905.

Counties.	Ordinary receipts.							Received from loans.	Money on hand Sept. 5, 1904.	Total resources including amount on hand and loans.
	One-mill tax.	Primary school interest fund.	Library moneys.	Tuition of non-resident pupils.	District taxes for all purposes.	Raised from all other sources.	Total net receipts.			
Totals	$1,055,921 16	$2,328,776 11	$72,241 14	$99,712 48	$5,446,501 85	$756,918 68	$9,760,071 42	$756,108 70	$2,538,526 33	$13,054,706 45
Alcona	$178 56	$6,667 15		$12 08	$8,382 77	$805 31	$16,045 87	$421 82	$8,369 95	$24,837 64
Alger	895 38	6,251 77	$200 00		29,031 27	5,962 76	42,341 18	4,813 75	8,043 36	55,198 29
Allegan	18,792 01	36,519 86	628 46	2,241 25	55,938 39	3,034 95	117,154 92	2,198 00	37,419 11	156,772 03
Alpena	333 89	22,005 50	62 53	14 10	30,372 74	769 73	53,558 49	10,455 03	10,097 62	74,111 14
Antrim	3,738 75	15,367 25	189 55	335 03	43,137 01	2,533 60	65,301 19	930 10	21,241 61	87,472 90
Arenac	1,307 96	11,015 02	246 50	1 59	16,960 55	2,523 21	32,054 74		22,971 40	55,026 14
Baraga	1,607 52	5,464 55	659 20		22,405 50	1,824 84	31,961 61		9,732 43	41,694 04
Barry	14,071 18	18,173 61	556 41	1,461 98	40,058 18	2,818 95	77,080 31	5,390 91	23,270 75	105,741 97
Bay	9,346 21	70,214 47	250 28	1,264 75	97,310 85	19,839 98	198,226 54	34,114 46	64,658 46	296,999 46
Benzie	2,918 01	10,104 45	192 41	40 38	25,818 64	1,737 57	40,811 46	2,705 00	7,906 95	51,423 41
Berrien	14,730 31	42,943 49	272 54	3,186 84	99,595 54	3,632 69	164,361 41	11,862 87	42,301 88	218,526 16
Branch	17,342 48	20,096 49	613 29	1,420 05	46,656 83	1,381 41	87,510 55	1,540 82	34,437 37	123,488 74
Calhoun	22,255 11	41,491 83	1,030 66	3,403 23	171,872 77	2,483 35	242,566 95	2,179 20	59,730 59	304,476 74
Cass	12,560 51	15,656 38	430 27	1,235 38	41,175 58	1,990 40	73,048 52	16,719 45	10,806 34	100,574 31
Charlevoix	4,428 99	15,332 39	507 65	311 13	41,696 14	2,666 81	64,943 11	1,679 11	14,953 39	81,575 61
Cheboygan	5,049 84	17,474 29	946 05	195 98	39,726 06	6,691 57	70,083 79	2,550 14	15,092 41	87,735 34
Chippewa	11,047 49	21,044 72	927 71	32 58	73,781 16	18,012 89	124,846 55	2,261 27	17,962 09	145,070 51
Clare	890 37	10,018 86	13 47	186 33	17,855 33	748 64	29,713 00	332 48	18,267 49	48,312 97
Clinton	19,967 36	21,883 56	477 78	1,563 65	34,181 54	2,236 15	80,310 04	2,187 99	24,822 50	107,320 02
Crawford	816 47	2,452 90	16 98		10,297 87	1,412 38	14,996 60	46 11	7,917 07	22,960 38
Delta	2,082 25	25,191 73	489 51	899 31	83,881 93	2,333 21	114,877 94	13,724 47	19,387 25	147,989 66
Dickinson	6,628 45	19,599 15	4,912 17	23 80	98,445 37	696 81	130,305 75	11,301 00	28,553 66	170,160 41
Eaton	19,954 75	22,729 70	835 37	3,447 48	57,261 47	1,923 21	106,151 98	11,145 51	24,631 67	141,929 16
Emmet	2,255 94	14,390 14	618 43	212 05	49,321 56	1,299 63	68,097 75	3,968 75	15,924 80	87,991 30
Genesee	31,815 85	33,427 31	1,028 82	3,956 36	82,543 57	21,677 86	174,449 77	10,110 86	19,436 57	203,997 20

Gladwin	1,205 66	8,817 62	.....	212 33	12,955 78	1,169 64	24,361 03	21,707 50	12,854 79	58,923 32
Gogebic	8,364 34	15,157 25	498 46	246 25	107,062 07	3,591 62	134,919 99	5,500 00	27,044 31	167,464 30
Grand Traverse	3,594 00	20,203 90	141 88	743 72	24,196 17	3,643 38	52,523 05	20,329 92	34,686 09	107,539 06
Gratiot	13,717 83	27,710 81	519 59	1,123 55	43,411 05	3,581 75	90,064 58	3,829 39	22,831 57	116,725 54
Hillsdale	20,529 95	22,874 99	929 35	3,232 41	46,619 59	2,382 83	96,569 12	14,074 04	27,811 04	138,454 20
Houghton	82,077 31	71,014 09	1,921 16	2,915 50	249,001 94	7,703 03	414,633 03	2,083 77	180,550 10	597,266 90
Huron	11,458 11	40,929 84	104 57	685 98	35,955 03	1,407 14	90,540 67	24,160 53	36,102 68	150,803 88
Ingham	24,987 97	32,368 90	679 97	2,614 46	96,950 62	5,673 93	163,275 85	5,067 46	53,415 92	221,759 23
Ionia	18,089 97	28,362 99	332 53	3,231 88	53,780 96	4,868 08	108,666 41	1,643 90	35,953 59	146,263 90
Iosco	803 39	11,662 61	298 72	30 35	16,830 54	2,895 06	32,520 67	961 82	21,791 00	55,273 49
Iron	2,054 20	7,723 20	154 90	64 50	53,859 60	4,595 03	68,451 43	4,000 00	51,532 49	123,983 92
Isabella	9,956 65	22,771 65	227 06	436 89	28,420 72	2,867 28	64,680 25	4,576 13	29,771 83	99,028 21
Jackson	32,001 94	35,457 36	1,332 64	2,291 85	78,700 12	2,759 75	152,543 66	46,819 50	21,708 87	221,072 03
Kalamazoo	30,560 05	36,398 21	1,278 08	3,185 64	120,262 84	4,948 24	196,633 06	77,643 32	84,594 33	358,870 71
Kalkaska	2,326 54	6,186 59	108 30	208 85	19,231 63	1,745 47	29,807 38	6,882 02	12,027 40	48,716 80
Kent	84,840 86	125,542 98	2,133 40	3,620 84	332,036 61	17,788 29	565,962 98	43,578 12	141,779 57	751,320 67
Keweenaw	5,248 27	2,892 60	364 20	.....	13,758 90	1,259 06	23,523 03	.....	12,193 54	35,716 57
Lake	407 46	4,180 42	47 58	21 00	9,996 03	2,260 48	16,912 97	571 40	8,134 51	25,618 88
Lapeer	15,747 35	24,451 42	418 81	2,322 90	36,425 96	1,624 19	80,990 63	4,502 39	23,959 27	109,452 29
Leelanau	2,252 03	11,594 41	33 08	131 85	13,762 69	799 27	28,573 33	390 51	8,432 90	37,396 74
Lenawee	37,393 44	38,880 28	1,160 45	3,729 07	68,701 45	2,962 01	152,826 70	39,481 65	42,424 43	234,732 78
Livingston	14,626 61	15,399 68	259 37	1,906 02	24,672 38	973 77	57,837 83	1,284 05	15,357 56	74,479 44
Luce	128 29	2,154 01	240 91	.....	13,486 72	34 44	16,044 37	500 00	7,624 28	24,168 65
Mackinac	1,779 44	7,764 57	23 92	15 75	24,032 23	2,629 03	36,244 94	1,200 00	7,605 24	45,050 18
Macomb	25,284 45	33,316 13	1,388 64	1,992 23	34,589 14	4,116 98	100,687 57	2,657 05	42,442 21	145,786 83
Manistee	9,833 32	30,117 40	526 58	591 93	51,172 56	1,212 51	93,454 30	4,585 34	27,702 86	125,742 50
Marquette	24,596 88	42,126 45	883 77	.....	140,563 86	5,630 54	213,801 50	6,188 00	73,235 81	293,225 31
Mason	3,051 06	20,573 06	322 33	559 95	45,649 69	18,894 90	89,050 99	8,200 00	9,734 97	106,985 96
Mecosta	2,299 98	21,215 45	245 05	222 10	33,990 23	3,861 41	61,834 22	748 81	28,853 17	91,436 20
Menominee	7,241 40	31,694 10	43 76	282 40	67,515 65	6,541 41	113,318 72	758 72	29,410 76	143,488 20
Midland	2,658 64	15,769 78	33 41	214 44	22,224 46	1,362 36	42,263 09	1,045 51	21,444 97	64,753 57
Missaukee	968 21	10,388 39	83 58	123 80	25,670 46	8,994 60	46,229 04	8,165 57	14,945 24	69,339 85
Monroe	20,059 61	31,993 56	1,045 58	1,294 82	22,834 92	3,577 60	80,806 09	6,248 14	22,451 24	109,505 47
Montcalm	10,706 63	31,548 80	649 95	2,129 53	42,945 98	6,325 27	94,306 16	2,210 00	31,574 71	128,090 87
Montmorency	833 87	3,503 00	.....	.....	5,844 66	2,514 19	12,695 72	.....	9,537 36	22,233 08
Muskegon	13,870 99	41,838 14	5,637 09	1,030 08	94,264 75	33,747 19	190,388 24	8,088 33	46,362 39	244,838 96
Newaygo	4,935 18	18,594 75	6 86	791 18	33,116 58	2,513 68	59,958 23	4,316 41	17,025 81	81,300 45
Oakland	34,775 05	35,716 02	1,190 57	4,067 49	79,718 47	3,451 24	158,918 84	33,545 30	31,498 26	223,962 40
Oceana	4,184 43	17,958 19	.....	571 24	30,634 80	2,432 40	55,781 06	1,935 86	16,775 93	74,492 85
Ogemaw	757 89	9,313 93	80 60	163 00	17,967 37	3,007 29	31,290 08	1,039 15	22,834 46	55,163 69
Ontonagon	3,421 99	5,510 25	614 11	.....	53,499 71	11,747 70	74,793 76	4,600 00	11,210 45	90,604 21
Osceola	3,592 07	19,112 81	114 96	533 05	33,758 90	2,950 08	60,061 87	7,103 86	17,017 23	84,182 96
Oscoda	46 27	1,398 24	51	1 00	4,846 54	446 62	6,739 18	750 00	3,966 85	11,456 03
Otsego	1,384 89	5,657 04	341 35	31 75	20,274 76	1,725 36	29,415 15	12,599 78	10,246 78	52,261 71
Ottawa	16,570 29	42,887 29	280 78	1,227 70	62,657 40	2,712 37	126,335 83	4,474 12	42,146 96	172,956 91

TABLE V.—CONCLUDED.

Counties.	Ordinary receipts.							Received from loans.	Money on hand Sept. 5, 1904.	Total resources including amount on hand and loans.
	One-mill tax.	Primary school interest fund.	Library moneys.	Tuition of non-resident pupils.	District taxes for all purposes.	Raised from all other sources.	Total net receipts.			
Presque Isle	$2,437 40	$10,364 56	$71 40	$45 00	$17,581 15	$853 58	$31,353 09	$1,666 76	$10,525 18	$43,545 03
Roscommon	237 56	1,221 47	.....	10 00	4,011 17	2,448 16	7,928 36	.....	3,314 29	11,242 65
Saginaw	15,373 47	88,097 22	1,053 81	2,241 97	193,414 68	13,691 88	313,873 03	21,801 96	90,826 67	426,501 66
St. Clair	30,354 82	57,977 78	5,444 25	1,215 32	70,335 43	4,624 38	170,451 98	26,222 49	41,081 19	237,755 66
St. Joseph	16,667 78	18,727 29	465 26	1,954 56	48,872 20	1,808 48	88,495 57	34,328 51	29,012 54	151,836 62
Sanilac	11,149 52	37,716 26	138 36	968 35	41,920 75	1,940 23	93,833 47	3,399 64	31,939 50	129,172 61
Schoolcraft	2,036 11	6,867 05	28 00	181 09	36,434 54	1,587 24	47,134 03	1,222 18	14,466 85	62,823 06
Shiawassee	15,745 88	27,347 98	468 28	1,801 47	65,399 90	14,466 84	125,230 35	4,009 52	22,093 65	151,333 52
Tuscola	14,355 38	35,453 67	177 34	2,204 52	41,847 72	3,312 09	97,350 72	3,616 29	38,461 35	139,428 36
Van Buren	14,056 79	29,668 73	651 45	4,250 65	59,685 13	3,596 42	111,909 17	9,118 60	26,354 23	147,382 00
Washtenaw	37,618 86	37,252 10	962 17	7,919 27	90,894 44	43,930 76	218,577 60	1,401 07	20,694 78	240,673 45
Wayne	50,449 44	345,146 07	19,803 47	2,404 00	962,828 92	340,182 77	1,720,814 67	44,677 00	156,434 96	1,921,926 63
Wexford	4,667 75	16,686 20	172 90	331 76	47,714 68	1,509 47	71,082 76	1,949 21	28,757 40	101,789 37

TABLE VI.

Expenditures of school districts as reported by school inspectors for the year ending July 10, 1905.

Counties.	Ordinary expenditures for maintaining the schools.							Paid on indebtedness (principal).	Amount on hand July 10, 1905.	Total expenditures, including amount on hand and paid on indebtedness.
	Paid men teachers.	Paid women teachers.	Paid for building, repairs, and site.	Paid for books and care of library.	Paid interest on loans.	Paid for all other purposes.	Total net expenses.			
Totals	$1,239,908 03	$4,767,744 71	$1,321,558 73	$158,503 39	$150,937 75	$1,992,043 72	$9,630,696 33	$486,689 71	$2,937,320 41	$13,054,706 45
Alcona	$3,511 50	$8,126 00	$1,313 96	$19 37	$254 94	$3,413 34	$16,639 11	$278 01	$7,940 52	$24,857 64
Alger	4,865 00	19,830 00	1,360 77	263 29	286 03	16,900 22	43,505 31	2,650 00	9,042 98	55,198 29
Allegan	21,883 39	60,223 15	6,309 48	437 97	1,203 70	22,398 21	112,455 90	7,549 60	36,766 53	156,772 03
Alpena	4,252 00	31,453 28	10,487 54	722 83	326 43	5,489 42	52,731 50	15,053 67	6,325 97	74,111 14
Antrim	9,132 97	31,632 50	3,115 33	247 30	984 12	11,849 52	56,961 74	5,275 00	25,236 16	87,472 90
Arenac	7,512 43	13,939 25	6,025 13	167 13	852 61	6,268 44	34,764 99	3,860 00	16,401 15	55,026 14
Baraga	5,460 00	10,899 50	4,882 60	105 53	.....	8,689 91	30,037 54	.....	11,656 50	41,694 04
Barry	14,646 62	43,625 22	7,457 47	489 66	373 97	13,354 44	79,947 38	5,071 40	20,723 19	105,741 97
Bay	25,114 50	100,716 32	49,034 97	364 91	1,216 41	76,865 51	253,312 62	3,526 22	40,160 62	296,999 46
Benzie	6,175 00	20,551 12	6,122 58	562 51	829 75	6,764 05	41,005 01	1,804 79	8,613 61	51,423 41
Berrien	35,714 90	78,922 44	14,183 46	438 81	2,336 47	32,650 37	164,246 45	8,501 34	45,778 37	218,526 16
Branch	16,495 47	46,884 23	9,539 99	549 17	746 16	16,787 85	91,002 87	4,540 40	27,945 47	123,488 74
Calhoun	25,912 70	103,559 21	64,463 78	589 21	908 89	52,079 15	247,512 94	6,362 32	50,601 48	304,476 74
Cass	13,631 17	37,668 33	1,802 83	176 06	2,341 24	12,608 14	68,227 77	21,818 86	16,527 68	106,574 31
Charlevoix	8,080 30	30,428 81	4,866 37	817 22	3,102 26	12,313 94	59,608 90	5,979 85	15,986 86	81,575 61
Cheboygan	7,259 00	30,050 85	9,175 26	891 16	2,809 69	16,275 52	66,461 48	5,099 19	16,174 67	87,735 34
Chippewa	17,785 25	40,324 32	18,517 09	1,132 09	4,137 65	31,864 02	114,260 42	881 53	29,928 56	145,070 51
Clare	8,477 00	12,714 27	2,081 25	108 49	273 52	5,174 96	28,829 49	2,916 90	16,566 58	48,312 97
Clinton	11,666 75	43,815 87	5,731 26	551 76	686 26	15,593 16	78,045 06	4,981 31	24,294 25	107,320 62
Crawford	1,840 00	7,746 65	454 10	10 00	2 40	2,776 27	12,829 42	1,556 41	8,574 55	22,960 38
Delta	8,040 50	53,608 25	5,774 17	325 03	3,559 84	38,560 28	109,868 07	4,188 41	33,933 18	147,989 66
Dickinson	14,144 02	55,860 95	20,747 03	5,248 28	3,707 07	28,630 56	128,337 91	6,380 00	35,442 50	170,160 41
Eaton	14,365 25	63,026 77	11,518 24	618 88	178 77	18,551 54	108,259 45	2,830 59	30,839 12	141,929 16
Emmet	7,056 00	34,597 33	14,727 36	845 57	1,366 91	10,757 85	69,351 02	2,809 00	15,831 28	87,991 30
Genesee	23,417 98	76,157 64	28,933 64	2,387 90	3,670 17	37,393 12	171,960 45	10,919 90	21,116 85	203,997 20

TABLE VI.—CONCLUDED.

Counties.	Ordinary expenditures for maintaining the schools.							Paid on indebtedness (principal).	Amount on hand July 10, 1905.	Total expenditures, including amount on hand and paid on indebtedness.
	Paid men teachers.	Paid women teachers.	Paid for building, repairs and site.	Paid for books and care of library.	Paid interest on loans.	Paid for all other purposes.	Total net expenses.			
Gladwin	$3,789 50	$12,188 72	$10,638 75	$74 57	$194 96	$4,045 13	$30,931 63	$1,178 83	$26,812 86	$58,923 32
Gogebic	8,610 00	57,569 39	23,904 91	819 94	3,745 31	34,540 34	129,189 89	6,297 45	31,976 96	167,464 30
Grand Traverse	10,322 00	37,040 85	25,474 58	86 34	1,646 81	17,287 60	91,858 18	1,654 70	14,026 18	107,539 06
Gratiot	16,082 41	47,207 88	6,202 35	1,823 45	1,487 23	16,731 79	89,535 11	6,291 06	20,899 37	116,725 54
Hillsdale	19,648 70	47,217 43	26,132 17	691 14	1,439 02	16,780 77	111,909 23	3,559 05	22,985 92	138,454 20
Houghton	43,683 00	193,781 74	27,910 54	2,855 41	4,844 74	106,684 94	379,760 37	8,490 40	209,016 13	597,266 90
Huron	22,781 25	37,437 25	21,603 39	318 97	1,944 84	17,265 89	101,351 59	3,192 29	46,260 00	150,803 88
Ingham	21,199 50	79,351 49	19,154 23	6,178 13	2,228 03	29,182 49	157,293 87	16,548 52	47,916 84	221,759 23
Ionia	14,220 95	63,140 51	8,503 97	611 65	105 21	18,058 55	104,640 84	4,095 36	37,527 70	146,263 90
Iosco	4,348 42	15,864 98	6,140 47	377 63	77 60	7,226 06	34,035 16	136 00	21,102 33	55,273 49
Iron	6,140 00	26,021 50	47,629 05	381 00	3,472 64	12,886 29	96,530 48	10,866 53	16,586 91	123,983 92
Isabella	11,755 00	28,938 62	16,568 10	1,674 30	1,420 13	13,717 64	74,073 79	2,172 50	22,781 92	99,028 21
Jackson	19,243 50	89,618 11	6,933 24	1,042 89	1,466 42	27,085 79	145,389 95	45,955 81	29,726 27	221,072 03
Kalamazoo	23,588 00	94,839 52	151,230 20	6,370 72	4,892 96	41,514 86	322,436 26	9,343 78	27,090 67	358,870 71
Kalkaska	3,454 00	15,714 51	1,457 29	130 92	1,033 98	5,966 04	27,756 74	8,502 32	12,397 74	48,716 80
Kent	44,356 10	321,936 65	22,878 18	1,071 13	11,638 90	121,629 96	523,510 92	13,824 34	213,985 41	751,320 67
Keweenaw	5,835 00	6,235 00	8,159 78	121 00	40 79	4,051 98	24,443 55	.....	11,273 02	35,716 57
Lake	2,575 00	8,490 75	3,765 49	187 24	40 77	3,001 54	18,060 79	320 22	7,237 87	25,618 88
Lapeer	13,078 50	46,169 10	4,402 38	338 27	476 11	14,059 50	78,523 86	5,015 00	25,913 43	109,452 29
Leelanau	6,227 50	14,435 15	1,910 75	3 75	164 24	4,185 00	26,926 39	1,533 72	8,936 63	37,396 74
Lenawee	25,077 25	78,828 93	27,638 65	3,694 45	552 94	38,974 09	174,766 31	5,785 88	54,180 59	234,732 78
Livingston	11,946 37	33,726 94	2,152 69	168 94	94 36	10,207 86	58,297 16	1,563 22	14,619 06	74,479 44
Luce	2,630 00	9,720 00	1,174 84	113 21	151 50	4,926 21	18,715 76	1,100 00	4,352 89	24,168 65
Mackinac	4,124 50	16,859 00	4,158 02	275 46	471 48	8,750 79	34,639 25	1,550 00	8,860 93	45,050 18
Macomb	19,178 37	46,771 25	6,541 42	2,580 77	936 00	21,653 27	97,661 08	7,116 30	41,009 45	145,786 83
Manistee	11,892 50	51,020 67	11,467 12	641 62	1,123 49	18,680 91	94,826 31	5,947 70	24,968 49	125,742 50
Marquette	20,515 00	111,578 51	18,616 26	1,009 02	7,732 63	51,648 54	211,099 96	10,322 56	71,802 79	293,225 31
Mason	8,141 00	37,430 50	12,681 16	402 10	1,186 98	19,266 05	79,107 79	5,287 33	22,590 84	106,985 96
Mecosta	8,996 22	34,473 94	4,008 18	539 51	367 67	10,910 97	59,296 49	1,647 93	30,491 78	91,436 20
Menominee	12,596 50	55,244 22	18,343 95	250 63	3,179 34	21,711 65	111,326 29	6,043 10	26,118 81	143,488 20
Midland	6,566 45	23,003 15	5,320 58	337 22	317 17	8,017 81	43,562 38	1,186 50	20,004 09	64,753 57
Missaukee	5,946 00	17,020 99	15,318 34	120 90	838 35	7,082 62	46,327 20	6,646 99	16,365 66	69,339 85
Monroe	15,929 50	40,660 62	7,179 51	1,244 62	506 28	17,040 27	82,620 80	2,136 18	24,748 49	109,505 47
Montcalm	16,796 45	49,836 15	7,372 76	1,752 89	837 67	18,442 08	95,038 00	3,577 38	29,475 49	128,090 87
Montmorency	2,375 00	7,093 75	1,286 55	.....	.....	3,355 68	14,110 98	.....	8,122 10	22,233 08

Muskegon	25,374 00	81,453 06	35,567 28	7,508 70	9,115 36	38,668 48	197,686 88	7,563 41	39,588 67	244,838 96
Newaygo	8,199 98	31,533 13	7,015 21	257 21	312 42	8,675 84	55,993 79	3,528 94	21,777 72	81,300 45
Oakland	20,638 25	78,618 85	11,299 49	1,066 60	3,524 83	35,376 62	150,524 64	3,958 87	69,478 89	223,962 40
Oceana	10,392 50	26,831 63	4,053 75	65 00	537 01	9,095 38	50,975 27	5,184 25	18,333 33	74,492 85
Ogemaw	2,641 50	14,354 75	9,460 60	186 32	1,125 45	4,722 40	32,491 02	1,832 47	20,840 20	55,163 69
Ontonagon	6,240 00	28,171 25	12,503 81	48 88	1,066 42	14,759 02	62,789 38	13,951 25	13,863 58	90,604 21
Osceola	10,905 15	32,458 00	9,870 33	191 23	208 30	10,564 53	64,197 54	1,622 93	18,362 49	84,182 96
Oscoda	1,861 28	2,261 00	2,695 47	.....	28 70	1,279 92	8,126 37	428 78	2,900 88	11,456 03
Otsego	3,705 00	12,876 25	16,858 02	143 89	604 40	5,045 68	39,253 24	3,815 74	9,212 73	52,261 71
Ottawa	20,480 50	64,070 13	13,128 19	743 13	1,176 30	26,251 82	125,850 07	3,360 00	43,746 84	172,956 91
Presque Isle	4,193 00	12,123 75	3,375 50	271 87	982 67	5,682 07	26,628 86	2,204 98	14,711 19	43,545 03
Roscommon	1,006 56	2,679 00	1,651 12	.....	213 75	971 14	6,521 57	1,150 00	3,571 08	11,242 65
Saginaw	36,379 30	156,991 45	76,661 89	3,979 18	2,250 40	67,585 62	343,847 84	7,507 77	75,146 05	426,501 66
St. Clair	20,196 00	90,127 91	32,060 79	12,202 73	1,648 67	43,454 68	199,690 78	5,350 28	32,714 60	237,755 66
St. Joseph	16,694 74	46,436 05	29,121 45	617 64	752 79	24,758 62	118,381 29	1,877 33	31,578 00	151,836 62
Sanilac	24,376 60	41,534 05	10,483 13	155 43	2,104 09	16,386 42	95,039 72	7,428 20	26,694 69	129,172 61
Schoolcraft	6,094 75	20,263 00	10,140 99	586 28	1,017 05	12,071 23	50,173 30	4,672 72	7,977 04	62,823 06
Shiawassee	18,441 00	60,926 35	14,950 04	478 53	2,174 49	23,029 36	119,999 77	6,911 29	24,422 46	151,333 52
Tuscola	19,220 86	48,306 48	9,178 31	564 75	1,314 28	16,816 65	95,401 33	6,539 41	37,487 62	139,428 36
Van Buren	22,339 24	54,791 73	9,251 32	637 18	1,263 35	21,997 00	110,179 82	9,250 81	27,951 37	147,382 00
Washtenaw	28,694 03	92,890 22	14,469 86	2,652 17	3,058 07	35,140 35	176,904 70	10,230 43	53,538 32	240,673 45
Wayne	136,162 60	816,263 10	88,398 18	69,592 77	19,038 20	277,105 14	1,406,559 99	31,392 18	483,974 46	1,921,926 63
Wexford	5,582 05	38,453 54	6,878 49	193 98	548 94	12,125 00	63,782 00	3,134 02	34,873 35	101,789 37

TABLE IV.—CONCLUDED.

Counties.	Number of teachers required.		Number of different teachers employed.		Aggregate number of months taught.		Total wages of teachers.			Average monthly wages.	
	Graded schools.	Ungraded schools.	Men.	Women.	Men.	Women.	Men.	Women.	Total.	Men.	Women.
Houghton	341	78	47	377	447	3,668	$43,683 00	$193,756 74	$237,439 74	$97 72	$52 82
Huron	63	103	54	119	475	1,068	22,781 25	37,437 25	60,218 50	47 96	35 05
Ingham	136	129	62	286	412	1,980	21,199 50	79,407 55	100,607 05	51 45	40 10
Ionia	93	133	36	242	271	1,867	14,220 95	63,140 51	77,361 46	52 48	33 82
Iosco	35	27	11	56	80	481	4,348 42	15,864 98	20,213 40	54 36	32 98
Iron	50	15	9	55	84	530	6,140 00	26,021 50	32,161 50	73 10	49 10
Isabella	25	103	40	130	251	840	11,755 00	28,938 62	40,693 62	46 83	34 45
Jackson	137	148	51	294	379	2,250	19,243 50	89,618 11	108,861 61	50 77	39 83
Kalamazoo	173	132	52	280	401	2,388	23,588 00	94,869 52	118,457 52	58 82	39 73
Kalkaska	14	50	12	81	70	436	3,454 00	15,714 51	19,168 51	49 34	36 04
Kent	490	196	78	662	627	5,903	44,356 10	321,936 65	366,292 75	70 74	54 50
Keweenaw	2	20	9	14	86	127	5,835 00	6,235 00	12,070 00	67 85	49 88
Lake	11	41	9	56	59	281	2,575 00	8,530 75	11,105 75	43 64	30 36
Lapeer	61	126	30	171	254	1,445	13,078 50	46,169 10	59,247 60	51 49	31 95
Leelanau	14	57	16	63	123	407	6,227 50	14,435 15	20,662 65	50 63	35 47
Lenawee	123	191	63	300	472	2,323	25,077 25	78,828 93	103,906 18	53 13	33 93
Livingston	36	132	47	171	293	1,182	11,946 37	33,726 94	45,673 31	40 77	28 53
Luce	17	11	4	30	40	219	2,630 00	9,720 00	12,350 00	65 75	44 38
Mackinac	14	52	11	65	72	416	4,124 50	16,859 00	20,983 50	57 28	40 53
Macomb	88	101	40	161	342	1,385	19,178 37	46,771 25	65,949 62	56 08	33 77
Manistee	93	66	24	144	202	1,247	11,892 50	51,084 17	62,976 67	58 87	40 97
Marquette	191	49	20	226	195	2,098	20,515 00	111,578 51	132,093 51	105 21	53 18
Mason	56	67	21	113	141	928	8,141 00	37,390 50	45,531 50	57 74	40 29
Mecosta	40	103	33	149	201	1,009	8,996 22	34,448 94	43,445 16	44 76	34 14
Menominee	81	86	20	152	175	1,288	12,596 50	55,244 22	67,840 72	71 98	42 89
Midland	26	77	20	96	152	713	6,566 45	23,090 15	29,656 60	43 20	32 38
Missaukee	21	56	20	76	131	475	5,946 00	17,020 99	22,966 99	45 39	35 83
Monroe	46	138	44	161	355	1,254	15,929 50	40,660 62	56,590 12	44 87	32 42
Montcalm	81	130	45	214	334	1,531	16,796 45	50,055 80	66,852 25	50 29	32 69
Montmorency	7	26	8	32	59	224	2,375 00	7,093 75	9,468 75	40 25	31 67
Muskegon	163	85	32	239	287	1,971	25,374 00	81,453 06	106,827 06	88 41	41 33
Newaygo	32	113	27	180	177	982	8,199 98	31,533 13	39,733 11	46 33	32 11
Oakland	122	193	39	286	339	2,459	20,638 25	78,618 85	99,257 10	60 88	31 97
Oceana	29	91	31	110	220	768	10,392 50	26,831 63	37,224 13	47 24	34 94
Ogemaw	15	43	8	55	61	427	2,641 50	14,354 75	16,996 25	43 30	33 62

Ontonagon	42	30	10	66	84	592	6,240 00	28,171 25	34,411 25	74 29	47 59	
Osceola	43	90	29	146	210	929	10,905 15	32,458 00	43,363 15	51 03	34 94	
Oscoda		21	12	18	54	80	1,886 00	2,368 50	4,254 50	34 93	29 61	
Otsego	20	39	9	59	69	373	3,860 00	13,637 25	17,497 25	55 94	36 56	
Ottawa	132	102	41	201	368	1,800	20,480 50	64,070 13	84,550 63	55 65	35 59	
Presque Isle	22	35	15	47	91	333	4,193 00	12,123 75	16,316 75	46 08	36 41	
Roscommon	3	20	4	24	22	86	1,006 56	2,692 00	3,698 56	45 75	31 30	
Saginaw	257	168	57	406	456	2,566	36,379 30	156,991 45	193,370 75	79 78	61 18	
St. Clair	143	150	40	266	332	2,403	20,196 00	90,127 91	110,323 91	60 83	37 51	
St. Joseph	83	117	49	186	349	1,411	16,788 74	46,436 05	63,224 79	48 11	32 91	
Sanilac	57	134	60	135	543	1,209	24,376 60	41,534 05	65,910 65	44 89	34 35	
Schoolcraft	7	30	13	48	107	457	6,094 75	20,263 00	26,357 75	56 96	46 37	
Shiawassee	102	116	43	215	312	1,706	18,441 00	60,926 35	79,367 35	59 11	35 71	
Tuscola	63	145	47	183	403	1,478	19,220 86	48,306 48	67,527 34	48 91	32 68	
Van Buren	94	140	61	204	428	1,589	22,339 24	54,791 73	77,130 97	52 19	34 48	
Washtenaw	159	161	40	295	347	2,604	28,694 03	92,864 57	121,558 60	82 60	35 66	
Wayne	1,302	136	140	1,322	1,313	12,924	136,162 60	816,263 10	952,425 70	103 70	63 16	
Wexford	58	78	20	161	103	988	5,582 05	38,458 83	44,040 59	54 19	38 93	

TABLE V.

Resources of school districts as reported by school inspectors for the year ending July 10, 1905.

Counties.	Ordinary receipts.							Received from loans.	Money on hand Sept. 5, 1904.	Total resources including amount on hand and loans.
	One-mill tax.	Primary school interest fund.	Library moneys.	Tuition of non-resident pupils.	District taxes for all purposes.	Raised from all other sources.	Total net receipts.			
Totals	$1,055,921 16	$2,328,776 11	$72,241 14	$99,712 48	$5,446,501 85	$756,918 68	$9,760,071 42	$756,108 70	$2,538,526 33	$13,054,706 45
Alcona	$178 56	$6,667 15	.....	$12 08	$8,382 77	$805 31	$16,045 87	$421 82	$8,389 95	$24,857 64
Alger	895 38	6,251 77	$200 00	.....	29,031 27	5,962 76	42,341 18	4,813 75	8,043 36	55,198 29
Allegan	18,792 01	36,519 86	628 46	2,241 25	55,938 39	3,034 95	117,154 92	2,198 00	37,419 11	156,772 03
Alpena	333 89	22,005 50	62 53	14 10	30,372 74	769 73	53,558 49	10,455 03	10,097 62	74,111 14
Antrim	3,738 75	15,367 25	189 55	335 03	43,137 01	2,533 60	65,301 19	930 10	21,241 61	87,472 90
Arenac	1,307 96	11,015 02	246 50	1 50	16,960 55	2,523 21	32,054 74	.....	22,971 40	55,026 14
Baraga	1,607 52	5,464 55	659 20	.....	22,405 50	1,824 84	31,961 61	.....	9,732 43	41,694 04
Barry	14,071 18	18,173 61	556 41	1,481 98	40,058 18	2,818 95	77,080 31	5,390 91	23,270 75	105,741 97
Bay	9,346 21	70,214 47	250 28	1,264 75	97,310 85	19,839 98	198,226 54	34,114 46	64,658 46	296,999 46
Benzie	2,918 01	10,104 45	192 41	40 38	25,818 64	1,737 57	40,811 46	2,705 00	7,906 95	51,423 41
Berrien	14,730 31	42,943 49	272 54	3,186 84	99,595 54	3,632 69	164,361 41	11,862 87	42,301 88	218,526 16
Branch	17,342 48	20,096 49	613 29	1,420 05	46,656 83	1,381 41	87,510 55	1,540 82	34,437 37	123,488 74
Calhoun	22,285 11	41,491 83	1,030 66	3,403 23	171,872 77	2,483 35	242,566 95	2,179 20	59,730 59	304,476 74
Cass	12,560 51	15,656 38	430 27	1,235 38	41,175 58	1,990 40	73,048 52	16,719 45	16,806 34	106,574 31
Charlevoix	4,428 99	15,332 39	507 65	311 13	41,696 14	2,666 81	64,943 11	1,679 11	14,953 39	81,575 61
Cheboygan	5,049 84	17,474 29	946 05	195 98	39,726 06	6,691 57	70,083 79	2,559 14	15,092 41	87,735 34
Chippewa	11,047 49	21,044 72	927 71	32 58	73,781 16	18,012 89	124,846 55	2,261 27	17,962 69	145,070 51
Clare	890 37	10,018 86	13 47	186 33	17,855 33	748 64	29,713 00	332 48	18,267 49	48,312 97
Clinton	19,967 36	21,883 56	477 78	1,563 65	34,181 54	2,236 15	80,310 04	2,187 99	24,822 59	107,320 62
Crawford	816 47	2,452 90	16 98	.....	10,297 87	1,412 38	14,996 60	46 11	7,917 67	22,960 38
[illegible]ta	2,082 25	25,191 73	489 51	899 31	83,881 93	2,333 21	114,877 94	13,724 47	19,387 25	147,989 66
[illegible]on	6,628 45	19,599 15	4,912 17	23 80	98,445 37	696 81	130,305 75	11,301 00	28,553 66	170,160 41
[illegible]	19,954 75	22,729 70	835 37	3,447 48	57,261 47	1,923 21	106,151 98	11,145 51	24,631 67	141,929 16
[illegible]	2,255 94	14,390 14	618 43	212 05	49,321 56	1,299 63	68,097 75	3,968 75	15,924 80	87,991 30
[illegible]	31,815 85	33,427 31	1,028 82	3,956 36	82,543 57	21,677 86	174,449 77	10,110 86	19,436 57	203,997 20

Gladwin	1,205 66	8,817 62	.....	212 33	12,955 78	1,169 64	24,361 03	21,707 50	12,854 79	58,923 32
Gogebic	8,364 34	15,157 25	498 46	246 25	107,062 07	3,591 62	134,919 99	5,500 00	27,044 31	167,464 30
Grand Traverse	3,594 00	20,203 90	141 88	743 72	24,196 17	3,643 38	52,523 05	20,329 92	34,686 09	107,539 06
Gratiot	13,717 83	27,710 81	519 59	1,123 55	43,411 05	3,581 75	90,064 58	3,829 39	22,831 57	116,725 54
Hillsdale	20,529 95	22,874 99	929 35	3,232 41	46,619 59	2,382 83	96,569 12	14,074 04	27,811 04	138,454 20
Houghton	82,077 31	71,014 09	1,921 16	2,915 50	249,001 94	7,703 03	414,633 03	2,083 77	180,550 10	597,266 90
Huron	11,458 11	40,929 84	104 57	685 98	35,955 03	1,407 14	90,540 67	24,160 53	36,102 68	150,803 88
Ingham	24,987 97	32,368 90	679 97	2,614 46	96,950 62	5,673 93	163,275 85	5,067 46	53,415 92	221,759 23
Ionia	18,089 97	28,362 99	332 53	3,231 88	53,780 96	4,868 08	108,666 41	1,643 90	35,953 59	146,263 90
Iosco	803 39	11,662 61	298 72	30 35	16,830 54	2,895 06	32,520 67	961 82	21,791 00	55,273 49
Iron	2,054 20	7,723 20	154 90	64 50	53,859 60	4,595 03	68,451 43	4,000 00	51,532 49	123,983 92
Isabella	9,956 65	22,771 65	227 06	436 89	28,420 72	2,867 28	64,680 25	4,576 13	29,771 83	99,028 21
Jackson	32,001 94	35,457 36	1,332 64	2,291 85	78,700 12	2,759 75	152,543 66	46,819 50	21,708 87	221,072 03
Kalamazoo	30,560 05	36,398 21	1,278 08	3,185 64	120,262 84	4,948 24	196,633 06	77,643 32	84,594 33	358,870 71
Kalkaska	2,326 54	6,186 59	108 30	208 85	19,231 63	1,745 47	29,807 38	6,882 02	12,027 40	48,716 80
Kent	84,840 86	125,542 98	2,133 40	3,620 84	332,036 61	17,788 29	565,962 98	43,578 12	141,779 57	751,320 67
Keweenaw	5,248 27	2,892 60	364 20	.....	13,758 90	1,259 06	23,523 03	.....	12,193 54	35,716 57
Lake	407 46	4,180 42	47 58	21 00	9,996 03	2,260 48	16,912 97	571 40	8,134 51	25,618 88
Lapeer	15,747 35	24,451 42	418 81	2,322 90	36,425 96	1,624 19	80,990 63	4,502 39	23,959 27	109,452 29
Leelanau	2,252 03	11,594 41	33 08	131 85	13,762 69	799 27	28,573 33	390 51	8,432 90	37,396 74
Lenawee	37,393 44	38,880 28	1,160 45	3,729 07	68,701 45	2,962 01	152,826 70	39,481 65	42,424 43	234,732 78
Livingston	14,626 61	15,399 68	259 37	1,906 02	24,672 38	973 77	57,837 83	1,284 05	15,357 56	74,479 44
Luce	128 29	2,154 01	240 91	.....	13,486 72	34 44	16,044 37	500 00	7,624 28	24,168 65
Mackinac	1,779 44	7,764 57	23 92	15 75	24,032 23	2,629 03	36,244 94	1,200 00	7,605 24	45,050 18
Macomb	25,284 45	33,316 13	1,388 64	1,992 23	34,589 14	4,116 98	100,687 57	2,657 05	42,442 21	145,786 83
Manistee	9,833 32	30,117 40	526 58	591 93	51,172 56	1,212 51	93,454 30	4,585 34	27,702 86	125,742 50
Marquette	24,596 88	42,126 45	883 77	.....	140,563 86	5,630 54	213,801 50	6,188 00	73,235 81	293,225 31
Mason	3,051 06	20,573 06	322 33	559 95	45,649 69	18,894 90	89,050 99	8,200 00	9,734 97	106,985 96
Mecosta	2,299 98	21,215 45	245 05	222 10	33,990 23	3,861 41	61,834 22	748 81	28,853 17	91,436 20
Menominee	7,241 40	31,694 10	43 76	282 40	67,515 65	6,541 41	113,318 72	758 72	29,410 76	143,488 20
Midland	2,658 64	15,769 78	33 41	214 44	22,224 46	1,362 36	42,263 09	1,045 51	21,444 97	64,753 57
Missaukee	968 21	10,388 39	83 58	123 80	25,670 46	8,994 60	46,229 04	8,165 57	14,945 24	69,339 85
Monroe	20,059 61	31,993 56	1,045 58	1,294 82	22,834 92	3,577 60	80,806 09	6,248 14	22,451 24	109,505 47
Montcalm	10,706 63	31,548 80	649 95	2,129 53	42,945 98	6,325 27	94,306 16	2,210 00	31,574 71	128,090 87
Montmorency	833 87	3,503 00	.....	.....	5,844 66	2,514 19	12,695 72	.....	9,537 36	22,233 08
Muskegon	13,870 99	41,838 14	5,637 09	1,030 08	94,264 75	33,747 19	190,388 24	8,088 33	46,362 39	244,838 96
Newaygo	4,935 18	18,594 75	6 86	791 18	33,116 58	2,513 68	59,958 23	4,316 41	17,025 81	81,300 45
Oakland	34,775 05	35,716 02	1,190 57	4,067 49	79,718 47	3,451 24	158,918 84	33,545 30	31,498 26	223,962 40
Oceana	4,184 43	17,958 19	.....	571 24	30,634 80	2,432 40	55,781 06	1,935 86	16,775 93	74,492 85
Ogemaw	757 89	9,313 93	80 60	163 00	17,967 37	3,007 29	31,290 08	1,039 15	22,834 46	55,163 69
Ontonagon	3,421 99	5,510 25	614 11	.....	53,499 71	11,747 70	74,793 76	4,600 00	11,210 45	90,604 21
Osceola	3,592 07	19,112 81	114 96	533 05	33,758 90	2,950 08	60,061 87	7,103 86	17,017 23	84,182 96
Oscoda	46 27	1,398 24	51	1 00	4,846 54	446 62	6,739 18	750 00	3,966 85	11,456 03
Otsego	1,384 89	5,657 04	341 35	31 75	20,274 76	1,725 36	29,415 15	12,599 78	10,246 78	52,261 71
Ottawa	16,570 29	42,887 29	280 78	1,227 70	62,657 40	2,712 37	126,335 83	4,474 12	42,146 96	172,956 91

TABLE V.—CONCLUDED.

Counties.	Ordinary receipts.							Received from loans.	Money on hand Sept. 5, 1904.	Total resources including amount on hand and loans.
	One-mill tax.	Primary school interest fund.	Library moneys.	Tuition of non-resident pupils.	District taxes for all purposes.	Raised from all other sources.	Total net receipts.			
Presque Isle	$2,437 40	$10,364 56	$71 40	$45 00	$17,581 15	$853 58	$31,353 09	$1,666 76	$10,525 18	$43,545 03
Roscommon	237 56	1,221 47	.....	10 00	4,011 17	2,448 16	7,928 36	.....	3,314 29	11,242 65
Saginaw	15,373 47	88,097 22	1,053 81	2,241 97	193,414 68	13,691 88	313,873 03	21,801 96	90,826 67	426,501 66
St. Clair	30,854 82	57,977 78	5,444 25	1,215 32	70,335 43	4,624 38	170,451 98	26,222 49	41,081 19	237,755 66
St. Joseph	16,667 78	18,727 29	465 26	1,954 56	48,872 20	1,808 48	88,495 57	34,328 51	29,012 54	151,836 62
Sanilac	11,149 52	37,716 26	138 36	968 35	41,920 75	1,940 23	93,833 47	3,399 64	31,939 50	129,172 61
Schoolcraft	2,036 11	6,867 05	28 00	181 09	36,434 54	1,587 24	47,134 03	1,222 18	14,466 85	62,823 06
Shiawassee	15,745 88	27,347 98	468 28	1,801 47	65,399 90	14,466 84	125,230 35	4,009 52	22,093 65	151,333 52
Tuscola	14,355 38	35,453 67	177 34	2,204 52	41,847 72	3,312 09	97,350 72	3,616 29	38,461 35	139,428 36
Van Buren	14,056 79	29,668 73	651 45	4,250 65	59,685 13	3,596 42	111,909 17	9,118 60	26,354 23	147,382 00
Washtenaw	37,618 86	37,252 10	962 17	7,919 27	90,894 44	43,930 76	218,577 60	1,401 07	20,694 78	240,673 45
Wayne	50,449 44	345,146 07	19,803 47	2,404 00	962,828 92	340,182 77	1,720,814 67	44,677 00	156,434 96	1,921,926 63
Wexford	4,667 75	16,686 20	172 90	331 76	47,714 68	1,509 47	71,082 76	1,949 21	28,757 40	101,789 37

TABLE VI.

Expenditures of school districts as reported by school inspectors for the year ending July 10, 1905.

Counties.	Ordinary expenditures for maintaining the schools.							Paid on indebtedness (principal).	Amount on hand July 10, 1905.	Total expenditures, including amount on hand and paid on indebtedness.
	Paid men teachers.	Paid women teachers.	Paid for building, repairs, and site.	Paid for books and care of library.	Paid interest on loans.	Paid for all other purposes.	Total net expenses.			
Totals	$1,239,908 03	$4,767,744 71	$1,321,558 73	$158,503 39	$150,937 75	$1,992,043 72	$9,630,696 33	$486,689 71	$2,937,320 41	$13,054,706 45
Alcona	$3,511 50	$8,126 00	$1,313 96	$19 37	$254 94	$3,413 34	$16,639 11	$278 01	$7,940 52	$24,857 64
Alger	4,865 60	19,830 00	1,360 77	263 29	286 03	16,900 22	43,505 31	2,650 00	9,042 98	55,198 29
Allegan	21,883 39	60,223 15	6,309 48	437 97	1,203 70	22,398 21	112,455 90	7,549 60	36,766 53	156,772 03
Alpena	4,252 00	31,453 28	10,487 54	722 83	326 43	5,489 42	52,731 50	15,053 67	6,325 97	74,111 14
Antrim	9,132 97	31,632 50	3,115 33	247 30	984 12	11,849 52	56,961 74	5,275 00	25,236 16	87,472 90
Arenac	7,512 43	13,939 25	6,025 13	167 13	852 61	6,268 44	34,764 99	3,860 00	16,401 15	55,026 14
Baraga	5,460 00	10,899 50	4,882 60	105 53	.....	8,689 91	30,037 54	.....	11,656 50	41,694 04
Barry	14,646 62	43,625 22	7,457 47	489 66	373 97	13,354 44	79,947 38	5,071 40	20,723 19	105,741 97
Bay	25,114 50	100,716 32	49,034 97	364 91	1,216 41	76,865 51	253,312 62	3,526 22	40,160 62	296,999 46
Benzie	6,175 00	20,551 12	6,122 58	562 51	829 75	6,764 05	41,005 01	1,804 79	8,613 61	51,423 41
Berrien	35,714 90	78,922 44	14,183 46	438 81	2,336 47	32,650 37	164,246 45	8,501 34	45,778 37	218,526 16
Branch	16,495 47	46,884 23	9,539 99	549 17	746 16	16,787 85	91,002 87	4,540 40	27,945 47	123,488 74
Calhoun	25,912 70	103,559 21	64,463 78	589 21	908 89	52,079 15	247,512 94	6,362 32	50,601 48	304,476 74
Cass	13,631 17	37,668 33	1,802 83	176 06	2,341 24	12,608 14	68,227 77	21,818 86	16,527 68	106,574 31
Charlevoix	8,080 30	30,428 81	4,866 37	817 22	3,102 26	12,313 94	59,608 90	5,979 85	15,986 86	81,575 61
Cheboygan	7,259 00	30,050 85	9,175 26	891 16	2,809 69	16,275 52	66,461 48	5,099 19	16,174 67	87,735 34
Chippewa	17,785 25	40,824 32	18,517 09	1,132 09	4,137 65	31,864 02	114,260 42	881 53	29,928 56	145,070 51
Clare	8,477 00	12,714 27	2,081 25	108 49	273 52	5,174 96	28,829 49	2,916 90	16,566 58	48,312 97
Clinton	11,666 75	43,815 87	5,731 26	551 76	686 26	15,593 16	78,045 06	4,981 31	24,294 25	107,320 62
Crawford	1,840 00	7,746 65	454 10	10 00	2 40	2,776 27	12,829 42	1,556 41	8,574 55	22,960 38
Delta	8,040 50	53,608 25	5,774 17	325 03	3,559 84	38,560 28	109,868 07	4,188 41	33,933 18	147,989 66
Dickinson	14,144 02	55,860 95	20,747 03	5,248 28	3,707 07	28,630 56	128,337 91	6,380 00	35,442 50	170,160 41
Eaton	14,365 25	63,026 77	11,518 24	618 88	178 77	18,551 54	108,259 45	2,830 59	30,839 12	141,929 16
Emmet	7,056 00	34,597 33	14,727 36	845 57	1,366 91	10,757 85	69,351 02	2,809 00	15,831 28	87,991 30
Genesee	23,417 98	76,157 64	28,933 64	2,387 90	3,670 17	37,393 12	171,960 45	10,919 90	21,116 85	203,997 20

TABLE VI.—CONCLUDED.

Counties.	Ordinary expenditures for maintaining the schools.							Paid on indebtedness (principal).	Amount on hand July 10, 1905.	Total expenditures, including amount on hand and paid on indebtedness.
	Paid men teachers.	Paid women teachers.	Paid for building, repairs and site.	Paid for books and care of library.	Paid interest on loans.	Paid for all other purposes.	Total net expenses.			
Gladwin	$3,789 50	$12,188 72	$10,638 75	$74 57	$194 96	$4,045 13	$30,931 63	$1,178 83	$26,812 86	$58,923 32
Gogebic	8,610 00	57,569 39	23,904 91	819 94	3,745 31	34,540 34	129,189 89	6,297 45	31,976 96	167,464 30
Grand Traverse	10,322 00	37,040 85	25,474 58	86 34	1,646 81	17,287 60	91,858 18	1,654 70	14,026 18	107,539 06
Gratiot	16,082 41	47,207 88	6,202 35	1,823 45	1,487 23	16,731 79	89,535 11	6,291 06	20,899 37	116,725 54
Hillsdale	19,648 70	47,217 43	26,132 17	691 14	1,439 02	16,780 77	111,909 23	3,559 05	22,985 92	138,454 20
Houghton	43,683 00	193,781 74	27,910 54	2,855 41	4,844 74	106,684 94	379,760 37	8,490 40	209,016 13	597,266 90
Huron	22,781 25	37,437 25	21,603 39	318 97	1,944 84	17,265 89	101,351 59	3,192 29	46,260 00	150,803 88
Ingham	21,199 50	79,351 49	19,154 23	6,178 13	2,228 03	29,182 49	157,293 87	16,548 52	47,916 84	221,759 23
Ionia	14,220 95	63,140 51	8,503 97	611 65	105 21	18,058 55	104,640 84	4,095 36	37,527 70	146,263 90
Iosco	4,348 42	15,864 98	6,140 47	377 63	77 60	7,226 06	34,035 16	136 00	21,102 33	55,273 49
Iron	6,140 00	26,021 50	47,629 05	381 00	3,472 64	12,886 29	96,530 48	10,866 53	16,586 91	123,983 92
Isabella	11,755 00	28,938 62	16,568 10	1,674 30	1,420 13	13,717 64	74,073 79	2,172 50	22,781 92	99,028 21
Jackson	19,243 50	89,618 11	6,933 24	1,042 89	1,466 42	27,085 79	145,389 95	45,955 81	29,726 27	221,072 03
Kalamazoo	23,588 00	94,839 52	151,230 20	6,370 72	4,892 96	41,514 86	322,436 26	9,343 78	27,090 67	358,870 71
Kalkaska	3,454 00	15,714 51	1,457 29	130 92	1,033 98	5,966 04	27,756 74	8,562 32	12,397 74	48,716 80
Kent	44,356 10	321,936 65	22,878 18	1,071 13	11,638 90	121,629 96	523,510 92	13,824 34	213,985 41	751,320 67
Keweenaw	5,835 00	6,235 00	8,159 78	121 00	40 79	4,051 98	24,443 55	.....	11,273 02	35,716 57
Lake	2,575 00	8,490 75	3,785 49	187 24	40 77	3,001 54	18,060 79	320 22	7,237 87	25,618 88
Lapeer	13,078 50	46,169 10	4,402 38	338 27	476 11	14,059 50	78,523 86	5,015 00	25,913 43	109,452 29
Leelanau	6,227 50	14,435 15	1,910 75	3 75	164 24	4,185 00	26,926 39	1,533 72	8,936 63	37,396 74
Lenawee	25,077 25	78,828 93	27,638 65	3,694 45	552 94	38,974 09	174,766 31	5,785 88	54,180 59	234,732 78
Livingston	11,946 37	33,726 94	2,152 69	168 94	94 36	10,207 86	58,297 16	1,563 22	14,619 06	74,479 44
Luce	2,630 00	9,720 00	1,174 84	113 21	151 50	4,926 21	18,715 76	1,100 00	4,352 89	24,168 65
Mackinac	4,124 50	16,859 00	4,158 02	275 46	471 48	8,750 79	34,639 25	1,550 00	8,860 93	45,050 18
Macomb	19,178 37	46,771 25	6,541 42	2,580 77	936 00	21,653 27	97,661 08	7,116 30	41,009 45	145,786 83
tee	11,892 50	51,020 67	11,467 12	641 62	1,123 49	18,680 91	94,826 31	5,947 70	24,968 49	125,742 50
ette	20,515 00	111,578 51	18,616 26	1,009 02	7,732 63	51,648 54	211,099 96	10,322 56	71,802 79	293,225 31
	8,141 00	37,430 50	12,681 16	402 10	1,186 98	19,266 05	79,107 79	5,287 33	22,590 84	106,985 96
ta	8,996 22	34,473 94	4,008 18	539 51	367 67	10,910 97	59,296 49	1,647 93	30,491 78	91,436 20
ninee	12,596 50	55,244 22	18,343 95	250 63	3,179 34	21,711 65	111,326 29	6,043 10	26,118 81	143,488 20
Midland	6,566 45	23,003 15	5,320 58	337 22	317 17	8,017 81	43,562 38	1,186 50	20,004 69	64,753 57
Missaukee	5,946 00	17,020 99	15,318 34	120 90	838 35	7,082 62	46,327 20	6,646 99	16,365 66	69,339 85
Monroe	15,929 50	40,660 62	7,179 51	1,244 62	566 28	17,040 27	82,620 80	2,136 18	24,748 49	109,505 47
Montcalm	16,796 45	49,836 15	7,372 76	1,752 89	837 67	18,442 08	95,038 00	3,577 38	29,475 49	128,090 87
Montmorency	2,375 00	7,093 75	1,286 55	.....	.....	3,355 68	14,110 98	.....	8,122 10	22,233 08

Muskegon	25,374 00	81,453 06	35,567 28	7,508 70	9,115 36	38,668 48	197,686 88	7,563 41	39,588 67	244,838 96
Newaygo	8,199 98	31,533 13	7,015 21	257 21	312 42	8,675 64	55,993 79	3,528 94	21,777 72	81,300 45
Oakland	20,688 25	78,618 85	11,299 49	1,066 00	3,524 83	35,376 62	150,524 64	3,953 87	69,478 89	223,902 40
Oceana	10,392 50	26,831 63	4,053 75	65 00	537 01	9,095 38	50,975 27	5,194 25	18,333 33	74,492 85
Ogemaw	2,641 50	14,354 75	9,460 60	186 32	1,125 45	4,722 40	32,491 02	1,832 47	20,840 20	55,163 69
Ontonagon	6,240 00	28,171 25	12,503 81	48 88	1,066 42	14,759 02	62,789 38	13,951 25	13,863 58	90,604 21
Osceola	10,905 15	32,458 00	9,870 33	191 23	208 30	10,564 53	64,197 54	1,622 93	18,362 49	84,182 96
Oscoda	1,861 28	2,261 00	2,695 47	.....	28 70	1,279 92	8,126 37	428 78	2,900 88	11,456 03
Otsego	3,705 00	12,876 25	16,858 02	.....	604 40	5,045 88	39,253 24	3,815 74	9,212 73	52,281 71
Ottawa	20,480 50	64,070 13	13,128 19	143 89	743 13	1,176 30	26,251 82	3,360 00	43,746 84	172,956 91
Presque Isle	4,193 00	12,123 75	3,375 50	271 87	982 67	5,682 07	26,628 86	2,204 98	14,711 19	43,545 03
Roscommon	1,006 56	2,679 00	1,651 12	.....	213 75	971 14	6,521 57	1,150 00	3,571 08	11,242 65
Saginaw	36,379 30	156,991 45	76,661 89	3,979 18	2,250 40	67,585 62	343,847 84	7,507 77	75,146 05	426,501 66
St. Clair	20,196 00	90,127 91	32,060 79	12,202 73	1,648 67	43,454 68	199,690 76	5,350 28	32,714 60	237,755 66
St. Joseph	16,694 74	46,436 05	29,121 45	617 64	752 79	24,758 62	118,381 29	1,877 33	31,578 00	151,836 62
Sanilac	24,376 60	41,534 05	10,483 13	155 43	2,104 09	16,386 42	95,039 72	7,438 20	26,694 69	129,172 61
Schoolcraft	6,094 75	20,263 00	10,140 99	586 28	1,017 05	12,071 23	50,173 30	4,672 72	7,977 04	62,823 06
Shiawassee	18,441 00	60,926 35	14,950 04	478 53	2,174 49	23,029 36	119,999 77	6,911 29	24,422 46	151,333 52
Tuscola	19,220 86	46,306 48	9,178 31	564 75	1,314 28	16,816 65	95,401 33	6,530 41	37,487 62	139,428 36
Van Buren	22,389 24	54,791 73	9,251 32	637 18	1,263 35	21,997 00	110,179 82	9,250 81	27,951 37	147,382 00
Washtenaw	28,694 08	92,890 22	14,469 86	2,652 17	3,058 07	35,140 35	176,904 70	10,230 43	53,538 32	240,673 45
Wayne	136,182 60	816,263 10	88,398 18	69,592 77	19,038 20	277,105 14	1,406,559 96	31,392 18	483,974 46	1,921,926 63
Wexford	5,582 00	38,453 54	6,878 49	193 98	548 94	12,125 00	63,782 00	3,134 02	34,873 35	101,789 37

TABLE VII.

Miscellaneous statistics as reported by school inspectors for the year ending July 10, 1905.

Counties.	Bonded indebtedness of the districts.	Total indebtedness of the districts.	Amount due the districts.	Amount paid and due inspectors and members of school boards for services.	Amount paid and due township chairmen and other officers for services.
Totals	$3,364,676 49	$3,588,921 47	$325,410 87	$17,979 43	$44,180 93
Alcona	$4,650 00	$5,101 07	$829 41	$66 75	$14 00
Alger	1,150 00	6,100 00	1,000 00	402 50	850 00
Allegan	23,867 00	24,037 43	4,320 92	192 12	47 25
Alpena	433 30	496 27	1,122 22	365 07	302 86
Antrim	16,050 00	16,703 68	2,837 79	99 50	18 00
Arenac	13,600 00	13,615 23	3,955 15	84 25	21 50
Baraga				252 10	790 40
Barry	10,250 00	11,634 99	2,126 37	276 00	16 50
Bay	127,692 50	130,183 39	6,415 96	261 50	868 00
Benzie	15,697 37	15,853 37	8,089 41	89 75	15 75
Berrien	33,926 66	42,931 66	4,148 05	167 00	447 25
Branch	13,300 00	13,896 42	1,573 91	71 40	214 25
Calhoun	17,600 00	18,172 33	1,277 93	113 75	332 50
Cass	30,626 00	52,975 14	1,201 35	101 75	84 50
Charlevoix	61,821 00	61,939 00	4,579 18	120 50	32 50
Cheboygan	39,284 00	39,569 80	4,813 05	239 75	196 00
Chippewa	112,895 00	120,239 17	13,793 77	301 00	1,087 00
Clare	4,216 67	4,730 15	2,417 96	109 50	70 75
Clinton	12,600 00	12,746 58	3,087 24	130 45	84 25
Crawford	954 00	1,600 11	844 15	44 75	3 00
Delta	71,154 00	74,878 47	2,335 37	311 00	1,186 70
Dickinson	70,275 00	70,275 00		410 50	1,762 50
Eaton	6,480 00	8,598 88	6,561 15	110 00	338 50
Emmet	35,050 00	37,877 96	8,018 50	121 25	21 00
Genesee	80,567 44	84,605 53	1,294 82	185 37	535 12
Gladwin	24,100 30	24,752 18	1,630 00	218 85	116 15
Gogebic	78,000 00	83,039 77	2,755 80	687 00	1,825 00
Grand Traverse	35,950 00	35,950 00	3,539 34	81 75	6 25
Gratiot	44,747 34	45,907 65	3,430 50	113 88	117 75
Hillsdale	33,800 00	36,113 10	2,058 38	132 50	146 75
Houghton	89,283 81	89,283 81	1,493 48	395 50	529 50
Huron	55,915 00	58,678 25	1,578 23	205 42	55 39
Ingham	33,025 00	36,869 89	3,831 19	102 00	1,111 75
Ionia	4,631 35	5,583 98	1,427 70	72 34	40 75
Iosco	950 00	1,456 21	11,415 64	159 00	210 50
Iron	92,500 00	95,500 00	2,336 00	693 94	675 00
Isabella	31,600 00	32,251 93	5,835 32	110 65	220 95
Jackson	33,750 00	35,179 91	1,732 87	992 50	888 75
Kalamazoo	140,600 00	141,966 19	2,044 69	98 00	415 50
Kalkaska	8,900 00	15,571 69	2,810 96	110 75	36 50
Kent	236,750 00	237,281 68	3,862 51	227 24	3,249 49
Keweenaw				226 00	315 00
Lake	1,225 00	3,729 06	4,045 40	90 00	8 25
Lapeer	5,515 00	5,753 77	1,850 81	85 30	87 15
Leelanau	2,439 43	2,688 97	1,768 02	121 25	9 00
Lenawee	56,509 00	57,883 71	1,446 81	176 50	314 25
Livingston	900 00	1,532 76	1,632 69	129 50	7 50
Luce		100 00	106 00	113 00	679 00
Mackinac	10,475 00	10,550 00	734 00	487 00	1,279 00
Macomb	28,806 00	30,439 73	2,184 06	184 75	147 50

TABLE VII.—CONCLUDED.

Counties.	Bonded indebtedness of the districts.	Total indebtedness of the districts.	Amount due the districts.	Amount paid and due inspectors and members of school boards for services.	Amount paid and due township chairmen and other officers for services.
Manistee	$18,970 00	$19,272 06	$7,692 09	$117 00	$14 25
Marquette	172,340 00	178,328 00	1,058 24	926 50	3,283 00
Mason	29,650 00	30,767 00	7,570 76	89 75	214 00
Mecosta	4,200 00	4,233 76	4,278 21	153 55	240 65
Menominee	40,175 00	46,796 17	3,313 14	311 60	1,161 20
Midland	4,825 00	5,173 66	7,847 02	98 50	110 00
Missaukee	11,860 00	16,145 16	6,120 [illegible]	202 75	31 75
Monroe	11,680 00	11,842 45	1,485 72	182 00	49 25
Montcalm	13,250 00	14,706 00	7,867 76	238 85	150 50
Montmorency	.....	.....	87 30	221 00	293 00
Muskegon	143,696 99	147,462 45	15,217 53	151 87	56 50
Newaygo	4,524 10	5,502 72	12,829 74	189 25	48 50
Oakland	95,350 00	97,348 80	2,695 41	316 10	136 00
Oceana	9,280 00	11,646 26	4,234 72	194 05	38 80
Ogemaw?	18,250 00	20,357 73	3,909 14	202 34	35 25
Ontonagon	24,100 00	25,170 39	1,099 68	472 75	1,063 25
Osceola	6,215 00	7,584 10	7,912 44	162 20	30 50
Oscoda	.....	887 71	1,322 55	57 00	58 00
Otsego	13,300 00	17,141 00	3,609 75	102 25	53 75
Ottawa	54,850 00	55,490 95	3,355 00	140 25	237 00
Presque Isle	18,200 00	21,089 46	1,122 87	102 05	123 05
Roscommon	3,050 00	4,045 00	4,344 13	65 87	10 50
Saginaw	52,106 00	64,130 15	3,942 40	775 68	3,020 25
St. Clair	41,750 00	46,258 30	2,156 45	214 50	122 25
St. Joseph	25,110 00	46,895 51	869 03	112 25	213 75
Sanilac	34,457 14	35,575 34	3,346 14	194 75	84 75
Schoolcraft	14,700 00	17,093 69	5,165 85	254 00	868 60
Shiawassee	34,275 00	39,220 11	1,645 39	114 50	307 25
Tuscola	18,950 00	20,260 70	4,781 10	236 50	49 25
Van Buren	28,824 00	33,180 18	5,946 18	144 00	58 25
Washtenaw	68,200 00	68,972 98	1,741 84	148 25	1,324 92
Wayne	484,216 00	508,529 98	28,645 72	281 50	8,831 00
Wexford	9,800 00	10,927 63	6,003 35	163 89	29 25

TABLE VIII.

Cost per capita of public schools of the State for the year ending July 10, 1905.

Counties.	Number of pupils included in school census in—		Number of pupils enrolled in—		Cost per capita for instruction based on school census in—			Cost per capita for instruction based on enrollment in—			Total expenses per capita during year based on enrollment in—		
	Graded school districts.	Ungraded school districts.	Graded school districts.	Ungraded school districts.	Graded school districts.	Ungraded school districts.	All school districts.	Graded school districts.	Ungraded school districts.	All school districts.	Graded school districts.	Ungraded school districts.	All school districts.
Totals.....	426,890	316,294	301,453	220,010	$9 34	$6 39	$8 08	$13 22	$9 19	$11 52	$22 53	$12 90	$18 47
Alcona.....	179	1,896	148	1,319	$9 05	$5 28	$5 60	$10 94	$7 59	$7 25	$13 70	$11 07	$11 34
Alger.....	1,319	503	1,097	382	13 68	13 21	13 55	15 99	17 39	16 69	26 24	38 53	29 41
Allegan.....	3,889	7,881	3,163	5,814	9 32	5 81	6 12	11 46	7 88	9 14	16 77	10 21	12 53
Alpena.....	4,379	2,483	2,306	1,620	5 11	5 36	5 20	9 70	8 22	9 09	15 16	10 97	13 43
Antrim.....	2,256	2,705	2,053	1,953	9 66	7 01	8 21	10 62	9 71	10 17	15 29	12 58	13 97
Arenac.....	1,738	2,027	1,338	1,372	6 75	4 76	5 69	8 81	7 04	7 91	15 32	11 12	13 19
Baraga.....	1,527	294	991	196	8 80	9 89	8 98	13 57	14 85	13 78	24 52	29 25	25 30
Barry.....	1,634	4,231	1,264	3,242	12 84	8 81	9 93	16 70	11 50	12 93	26 23	14 43	17 74
Bay.....	14,857	7,509	7,579	4,434	6 71	3 48	5 62	13 15	5 90	10 47	27 48	10 15	21 09
Benzie.....	1,613	1,657	1,432	1,260	9 49	6 89	8 17	10 75	9 06	9 93	15 65	14 75	15 23
Berrien.....	7,976	6,490	6,302	4,413	9 17	6 38	7 91	11 61	9 39	10 70	17 71	11 92	15 33
Branch.....	2,353	4,059	2,046	2,936	12 46	8 39	9 88	14 33	11 60	12 72	23 59	14 55	18 26
Calhoun.....	7,704	4,648	6,292	3,408	11 70	8 46	10 48	14 32	11 54	13 35	31 33	14 77	25 51
Cass.....	1,955	3,074	1,744	2,214	11 15	9 59	10 20	12 51	13 32	12 96	18 53	16 21	17 24
Charlevoix.....	2,092	2,675	2,292	1,872	8 12	6 22	7 17	9 54	8 89	9 25	15 09	12 63	14 31
Cheboygan.....	2,727	3,132	1,797	2,120	5 97	6 71	6 37	9 06	9 92	9 52	19 29	14 99	16 97
Chippewa.....	4,353	2,603	3,415	1,731	9 88	5 98	8 42	12 60	9 00	11 39	26 59	13 09	22 20
Clare.....	950	2,162	720	1,537	8 04	6 27	6 81	10 60	8 82	9 39	13 68	12 34	12 76
Clinton.....	1,794	4,872	1,553	3,284	11 44	7 17	8 32	13 21	10 64	11 47	21 02	13 83	16 13
Crawford.....	498	614	392	477	9 59	7 83	8 62	12 18	10 08	11 03	16 54	13 30	14 76
Delta.....	4,824	3,733	3,373	2,549	7 76	6 48	7 20	11 10	9 49	10 41	21 90	10 24	18 55
Dickinson.....	4,877	1,617	3,642	1,176	10 50	11 61	10 78	14 06	15 97	14 53	25 34	30 64	26 63
Eaton.....	2,983	4,191	2,597	3,047	12 63	9 47	10 78	14 51	13 03	13 71	23 19	15 76	19 18
Emmet.....	2,717	2,430	2,069	1,680	9 07	7 57	4 79	11 91	10 12	11 11	22 54	13 52	18 50
Genesee.....	5,540	5,293	4,697	4,111	10 43	7 89	9 11	12 30	10 16	11 30	24 95	13 32	19 52
Gladwin.....	809	2,233	721	1,533	6 94	4 64	5 25	7 79	6 76	7 09	12 05	14 51	13 72
Gogebic.....	5,092	600	4,178	477	11 47	12 96	11 62	13 97	16 31	14 21	25 91	43 86	27 75
Grand Traverse.	3,218	3,106	2,906	2,338	8 58	6 35	7 48	9 51	8 44	9 03	22 18	11 71	17 51
Gratiot.....	2,841	5,654	2,515	4,209	9 49	6 42	7 45	10 73	8 62	9 41	16 34	11 51	13 31
Hillsdale.....	2,836	4,593	2,462	3,317	10 95	7 79	9 00	12 61	10 79	11 56	26 26	14 28	19 36
Houghton.....	20,178	3,964	13,525	2,827	9 86	9 70	9 83	14 71	13 61	14 52	23 67	21 10	23 22
Huron.....	4,372	8,332	3,072	5,397	5 98	4 09	4 74	8 51	6 31	7 11	16 07	9 63	11 97
Ingham.....	6,600	3,941	4,994	2,889	10 43	8 05	9 54	13 78	10 98	12 75	23 45	13 91	19 95
Ionia.....	4,193	4,597	3,307	3,233	10 40	7 34	8 80	13 19	10 43	11 83	18 81	13 12	16 00
Iosco.....	2,151	1,446	1,630	960	5 91	5 18	5 62	7 80	7 81	7 80	13 75	12 11	13 14
Iron.....	2,297	568	1,830	428	11 17	11 44	11 23	14 02	15 19	14 24	46 17	15 19	42 75
Isabella.....	1,576	5,829	905	3,877	7 49	4 95	5 50	13 05	7 45	8 51	37 95	10 24	15 49
Jackson.....	6,847	4,323	4,700	2,973	10 76	8 14	9 74	15 68	11 83	14 19	21 50	14 90	18 95
Kalamazoo.....	8,418	3,833	6,418	2,718	10 06	8 79	9 66	13 20	12 39	12 96	43 28	16 44	35 29
Kalkaska.....	561	1,667	548	1,251	9 82	8 19	8 60	10 05	10 92	10 65	17 73	14 42	15 43
Kent.....	29,998	9,293	18,292	6,398	10 44	5 71	9 32	17 12	8 29	14 83	24 72	11 15	21 20
Keweenaw.....	57	1,286	38	883	20 52	8 47	8 98	30 79	12 34	13 10	44 35	25 77	26 54
Lake.....	552	1,006	448	753	6 63	7 36	7 10	8 17	9 83	9 21	11 80	16 97	15 04
Lapeer.....	2,230	5,235	1,865	3,885	11 05	6 42	7 94	13 74	8 65	10 30	19 31	10 94	13 65
Leelanau.....	814	2,898	589	1,988	6 82	5 21	5 57	9 43	7 60	7 01	12 31	9 89	10 45
Lenawee.....	5,435	6,796	4,172	4,918	10 00	7 29	8 49	13 02	10 07	11 43	26 25	13 27	19 22
Livingston.....	1,223	3,550	994	2,698	12 12	8 69	9 57	14 92	11 43	12 37	20 07	14 21	15 79
Luce.....	571	299	549	238	15 47	11 76	14 20	16 09	14 78	15 69	22 47	26 79	23 78
Mackinac.....	901	1,766	603	1,371	7 99	7 80	7 87	11 94	10 05	10 63	21 43	15 84	17 54
Macomb.....	4,858	5,627	3,073	3,254	7 71	5 06	6 29	12 18	8 76	10 42	18 78	12 27	15 43

TABLE VIII.—Concluded.

Counties.	Number of pupils included in school census in—		Number of pupils enrolled in—		Cost per capita for instruction based on school census in—			Cost per capita for instruction based on enrollment in—			Total expenses per capita during year based on enrollment in—		
	Graded school districts.	Ungraded school districts.	Graded school districts.	Ungraded school districts.	Graded school districts.	Ungraded school districts.	All school districts.	Graded school districts.	Ungraded school districts.	All school districts.	Graded school districts.	Ungraded school districts.	All school districts.
Manistee	5,746	3,677	3,272	2,224	$7 65	$5 14	$6 68	$13 44	$8 51	$11 45	$19 54	$13 58	$17 25
Marquette	11,052	2,177	7,880	1,532	10 17	9 02	9 99	14 27	12 82	14 03	22 59	21 61	22 43
Mason	2,895	3,712	1,967	2,695	8 93	5 31	6 90	13 15	7 31	9 78	25 99	10 38	16 97
Mecosta	1,971	4,614	1,559	3,398	9 06	5 55	6 60	11 45	7 54	8 77	16 04	10 09	11 96
Menominee	5,063	4,541	3,509	3,367	7 70	6 35	7 06	11 11	8 56	9 86	19 33	12 91	16 19
Midland	1,269	3,715	1,194	2,578	8 96	4 90	5 93	9 53	7 05	7 84	14 92	9 98	11 55
Missaukee	1,008	2,464	870	1,886	7 38	6 30	6 61	8 55	8 23	8 33	27 45	11 90	16 81
Monroe	2,672	7,243	1,650	4,969	7 18	5 16	5 71	11 62	7 52	8 55	19 88	10 02	12 48
Montcalm	3,606	6,610	3,109	4,482	9 18	5 07	6 52	10 64	7 48	8 78	15 48	10 47	12 52
Montmorency	317	807	294	558	8 32	8 46	8 42	8 98	12 23	11 11	13 78	18 03	16 56
Muskegon	8,593	3,797	7,082	2,649	10 09	5 30	8 62	12 24	7 59	10 98	23 43	11 99	20 31
Newaygo	1,425	4,712	1,178	3,524	8 82	5 76	6 47	10 69	7 71	8 45	15 10	10 84	11 91
Oakland	5,328	5,622	4,392	3,881	10 27	7 92	9 07	12 46	11 47	12 00	21 06	14 95	18 19
Oceana	1,212	4,386	1,029	3,128	9 88	5 76	6 65	11 63	8 07	8 95	16 78	10 77	12 26
Ogemaw	930	2,138	834	1,473	6 30	5 21	5 54	7 02	7 56	7 37	13 00	14 69	14 08
Ontonagon	1,258	927	1,188	787	16 69	14 47	15 79	17 67	17 05	17 42	32 57	30 62	31 79
Osceola	1,784	4,305	1,474	3,065	10 54	5 70	7 12	12 76	8 01	9 55	20 03	11 28	14 14
Oscoda	.....	506	.....	463	.....	6 91	6 91	.....	8 90	8 90	.....	17 55	17 55
Otsego	856	1,321	690	943	8 23	7 22	7 61	10 21	10 11	10 15	36 72	14 73	24 02
Ottawa	7,748	5,848	5,615	4,038	7 03	5 13	6 22	9 71	7 44	8 76	14 58	10 89	13 04
Presque Isle	1,244	2,291	1,061	1,052	7 27	3 16	4 61	8 54	6 89	7 72	12 94	12 26	12 60
Roscommon	224	338	105	244	5 83	7 04	6 55	12 43	9 75	10 56	20 32	17 98	18 68
Saginaw	15,945	10,965	9,572	6,277	9 08	4 42	7 18	15 13	7 72	12 20	28 17	11 82	21 69
St. Clair	9,026	7,548	5,553	5,337	7 39	5 78	6 65	12 01	8 17	10 13	25 52	10 86	18 34
St. Joseph	2,809	3,157	2,211	2,260	12 76	8 64	10 58	16 22	12 06	14 12	38 11	15 10	20 47
Sanilac	3,375	8,460	2,623	6,476	6 84	5 06	5 56	8 80	6 61	7 24	13 37	9 26	10 44
Schoolcraft	1,521	1,063	1,012	850	10 25	10 12	10 20	15 41	12 65	14 15	29 84	23 49	26 94
Shiawassee	4,320	4,203	3,584	3,078	11 05	7 52	9 31	13 31	10 28	11 91	22 27	13 02	18 16
Tuscola	2,845	7,960	2,324	5,486	9 23	5 18	6 25	11 31	7 52	8 64	16 41	10 43	12 21
Van Buren	3,973	5,754	3,423	4,049	9 94	6 54	7 93	11 53	9 29	10 32	18 16	11 85	14 74
Washtenaw	6,615	5,098	4,840	3,464	12 69	7 38	10 38	17 34	10 86	14 64	26 81	13 60	21 30
Wayne	101,425	8,326	65,101	4,896	8 97	5 09	8 73	13 98	8 65	13 60	20 66	12 57	20 09
Wexford	2,873	2,698	2,622	1,941	8 72	7 04	7 90	9 55	9 78	9 65	13 93	14 04	13 97

TABLE IX.

Statistics of township and district libraries as reported by school inspectors for the year ending July 10, 1906.

Counties.	Number of townships using library money for general school purposes.	Number of townships forfeiting library money.	Number of townships maintaining libraries.	Number of volumes added to township libraries during year.	Whole number of volumes in township libraries.	Amount of taxes voted for township libraries.	Amount of fines, etc., received from county treasurer for township libraries.	Amount paid for books and care of township libraries.	Amount of township library money on hand July 10, 1905.	Number of districts maintaining libraries.	Number of volumes added to district libraries during the year.	Whole number of volumes in district libraries.	Amount paid for the support of district libraries.	Amount of fines, etc., received from county treasurer for district libraries.
Totals	94	763	360	10,639	157,441	$5,131 30	$7,713 26	$12,365 93	$17,211 20	4,930	83,725	1,133,024	$158,503 39	$72,241 14
Alcona	1	7	3	54	387	.....	$131 23	$27 57	$135 23	13	7	646	$19 37	.....
Alger	1	4	2	31	953	$100 00	.....	.....	60 62	6	323	1,063	263 29	$200 00
Allegan	8	8	8	1,280	6,631	.....	503 33	1,216 06	224 47	142	601	13,390	427 97	628 46
Alpena	2	4	1	.....	300	.....	.....	10 00	73 65	7	169	4,545	722 83	62 53
Antrim	.....	7	8	147	2,295	.....	309 85	173 67	601 10	29	509	3,233	247 30	189 55
Arenac	.....	10	1	.....	75	.....	.....	.....	.....	25	715	2,756	167 13	246 50
Baraga	.....	5	.....	.....	.....	.....	.....	.....	586 35	4	50	1,183	105 53	659 20
Barry	2	11	3	.....	1,178	.....	102 30	45 00	88 64	105	1,369	10,042	489 66	556 41
Bay	1	6	8	505	4,542	.....	405 67	478 39	345 39	53	2,864	60,574	364 91	250 28
Benzie	1	2	9	279	2,992	.....	13 20	203 09	110 58	27	504	4,076	562 51	192 41
Berrien	1	14	5	158	5,953	275 00	29 74	357 29	133 85	139	1,056	20,095	438 81	272 54
Branch	3	10	3	145	3,605	250 00	111 40	272 99	241 21	79	1,286	5,248	549 17	613 29
Calhoun	4	13	3	38	1,305	.....	38 33	107 50	75 68	119	1,999	31,722	589 21	1,030 66
Cass	.....	10	5	692	2,793	.....	18 05	265 90	91 56	66	375	6,219	176 06	430 27
Charlevoix	2	10	3	92	847	.....	152 76	107 89	315 01	41	868	4,896	817 22	507 65
[illegible]	4	8	5	28	1,085	25 00	186 40	39 50	223 51	40	951	8,217	891 16	946 05
[illegible]	2	11	1	.....	.....	25 00	31 86	.....	48 18	23	680	3,163	1,132 09	927 71
[illegible]	1	10	4	.....	837	.....	.....	10 00	74 09	24	354	2,104	108 49	13 47
[illegible]	2	10	4	167	1,711	.....	136 11	105 47	91 49	86	954	8,150	551 76	477 78
[illegible]	1	2	2	.....	1,229	.....	51 70	82 60	190 80	8	73	1,176	10 00	16 98
[illegible]	.....	12	2	50	773	.....	59 08	61 00	254 12	17	264	4,090	325 03	489 51
Dickinson	.....	5	1	.....	237	.....	53 10	.....	62 85	8	1,246	11,375	5,248 28	4,912 17
Eaton	1	7	8	362	6,404	425 00	233 02	647 51	726 05	109	1,222	12,535	618 88	835 37
Emmet	.....	4	11	331	3,245	85 30	416 22	279 47	683 71	54	739	4,082	845 57	618 43
Genesee	3	14	1	76	1,100	.....	36 05	44 58	36 05	131	1,632	23,296	2,387 90	1,028 82

Gladwin	.....	10	2	.....	714	.....	.....	17 00	.....	31	228	2,182	74 57	.....
Gogebic	1	4	.....	.....	.....	.....	.....	.....	.....	6	401	4,230	819 94	498 46
Grand Traverse	1	1	11	20	4,928	.....	116 74	145 40	429 78	38	368	5,557	86 34	141 88
Gratiot	2	15	.....	.....	.....	.....	30 66	.....	.....	126	1,068	14,489	1,823 45	519 59
Hillsdale	3	14	1	26	526	.....	13 73	21 17	8 50	119	773	10,318	691 14	929 35
Houghton	.....	10	3	160	3,118	50 00	295 50	418 96	357 27	18	1,825	17,319	2,855 41	1,921 16
Huron	1	18	8	241	2,425	.....	51 21	280 23	132 60	87	727	7,419	318 97	104 57
Ingham	.....	16	.....	.....	.....	.....	.....	.....	.....	121	2,681	24,306	6,178 13	679 97
Ionia	4	11	1	83	850	50 00	25 56	141 96	.....	117	869	9,163	611 65	332 53
Iosco	.....	4	6	108	857	485 00	47 12	171 94	127 51	17	407	3,305	377 63	298 72
Iron	1	6	.....	.....	.....	.....	.....	.....	40 55	7	462	5,359	381 00	154 90
Isabella	.....	13	3	94	680	.....	33 41	45 03	112 61	83	1,079	4,225	1,674 80	227 06
Jackson	2	17	.....	.....	.....	.....	.....	.....	.....	137	1,203	14,467	1,042 89	1,332 64
Kalamazoo	5	9	2	64	1,501	.....	.....	107 40	26 78	100	2,082	44,380	6,370 72	1,278 08
Kalkaska	1	7	3	69	718	.....	122 07	60 21	211 65	21	294	1,800	130 92	108 30
Kent	2	15	7	551	4,421	.....	196 91	482 83	160 62	187	5,635	89,532	1,071 13	2,133 40
Keweenaw	.....	5	.....	.....	.....	.....	.....	.....	623 67	4	75	2,045	121 00	364 20
Lake	.....	3	8	.....	2,276	15 00	.....	94 00	112 48	10	131	932	187 24	47 58
Lapeer	1	16	1	20	400	.....	8 88	86 56	14 09	111	933	10,803	338 27	418 81
Leelanau	.....	.....	11	134	3,509	.....	178 95	327 34	466 74	20	238	1,332	3 75	33 08
Lenawee	2	17	3	74	1,085	.....	107 56	105 76	92 93	142	1,927	37,286	3,694 45	1,160 45
Livingston	2	12	2	.....	770	1,000 00	22 92	4 50	132 93	48	214	5,521	168 94	259 37
Luce	1	3	.....	.....	.....	.....	.....	.....	12 28	3	93	1,438	113 31	240 91
Mackinac	.....	10	1	.....	100	.....	.....	.....	10 24	7	172	2,493	275 46	23 92
Macomb	.....	11	3	.....	945	.....	92 55	55 00	188 19	71	1,468	15,704	2,580 77	1,388 64
Manistee	.....	8	4	41	1,022	.....	62 66	150 90	256 42	42	591	10,296	641 62	526 58
Marquette	1	17	.....	.....	.....	.....	.....	.....	2,038 73	19	624	10,979	1,009 02	883 77
Mason	.....	7	7	106	3,212	25 00	98 58	117 84	139 09	35	270	7,000	402 10	322 33
Mecosta	2	9	5	203	530	1,455 00	34 10	109 64	68 54	78	658	5,968	539 51	245 05
Menominee	1	8	1	.....	491	.....	3 03	50 00	170 97	26	698	6,070	250 63	43 76
Midland	.....	13	3	34	196	.....	15 02	17 00	14 75	36	332	2,918	337 22	33 41
Missaukee	1	6	7	67	1,462	.....	24 77	85 75	78 60	23	285	2,107	120 90	83 58
Monroe	1	8	6	122	1,606	.....	203 38	163 90	183 83	119	1,855	14,351	1,244 62	1,045 58
Montcalm	1	13	6	137	2,352	10 00	216 66	189 79	481 52	93	1,273	8,779	1,752 89	649 95
Montmorency	.....	5	2	.....	492	.....	.....	13 00	26 71	2	.....	467	.....	.....
Muskegon	.....	3	14	208	5,355	100 00	120 48	418 41	453 16	47	1,197	45,636	7,508 70	5,637 09
Newaygo	1	8	13	.....	3,008	.....	69 75	139 00	209 87	93	977	7,652	257 21	6 86
Oakland	3	19	3	184	2,675	.....	110 89	39 90	129 62	111	942	15,735	1,066 60	1,190 57
Oceana	.....	1	15	369	7,666	231 00	201 43	538 67	412 23	51	484	3,991	65 00	.....
Ogemaw	.....	8	4	579	2,287	100 00	736 77	310 70	64 90	15	357	1,074	186 32	80 60
Ontonagon	.....	8	1	36	86	.....	86 83	14 00	86 83	4	117	1,918	48 88	614 11
Osceola	1	7	8	120	3,462	.....	91 27	211 09	314 01	46	465	5,227	191 23	114 96
Oscoda	.....	2	1	.....	478	.....	.....	20 00	1 03	4	20	311	.....	51
Otsego	.....	2	7	334	3,831	50 00	315 38	422 82	1,144 73	25	172	2,075	143 89	341 35
Ottawa	.....	4	11	342	6,738	.....	215 30	370 56	496 09	66	748	9,963	743 13	280 78

TABLE IX.—CONCLUDED.

Counties.	Number of townships using library money for general school purposes.	Number of townships forfeiting library money.	Number of townships maintaining libraries.	Number of volumes added to township libraries during year.	Whole number of volumes in township libraries.	Amount of taxes voted for township libraries.	Amount of fines, etc., received from county treasurer for township libraries.	Amount paid for books and care of township libraries.	Amount of township library money on hand July 10, 1905.	Number of districts maintaining libraries.	Number of volumes added to district libraries during the year.	Whole number of volumes in district libraries.	Amount paid for the support of district libraries.	Amount of fines, etc., received from county treasurer for district libraries.
Presque Isle	4	10	.....	.....	.....	.....	.....	.....	.....	10	38	892	$271 87	$71 40
Roscommon	.....	3	4	63	854	.....	$164 00	$28 77	$140 28	1	.....	24	.....	.....
Saginaw	1	15	11	282	6,293	.....	62 76	259 89	385 86	80	2,457	32,186	3,979 18	1,053 81
St. Clair	1	19	3	40	1,950	.....	21 07	95 00	23 79	135	3,558	29,326	12,202 73	5,444 25
St. Joseph	1	11	4	178	2,433	$300 00	1 65	383 13	93 38	115	637	10,860	617 64	465 26
Sanilac	2	15	9	63	2,277	.....	51 68	91 45	72 59	75	822	4,890	155 43	138 36
Schoolcraft	.....	8	.....	.....	.....	.....	.....	.....	12 75	5	100	2,036	586 28	28 00
Shiawassee	1	14	1	4	425	15 00	33 56	21 00	58 45	109	1,592	10,312	478 53	468 28
Tuscola	3	11	9	332	2,999	.....	104 70	295 80	321 36	76	518	7,801	564 75	177 34
Van Buren	.....	12	6	101	3,544	25 00	78 08	196 39	66 11	123	973	13,668	637 18	651 45
Washtenaw	.....	17	3	.....	2,000	.....	48 42	45 00	130 73	112	1,649	29,326	2,652 17	962 17
Wayne	.....	18	2	24	1,663	.....	.....	102 23	63 17	135	12,940	241,371	69,592 77	19,803 47
Wexford	.....	3	13	591	5,754	35 00	177 87	303 53	335 49	33	213	3,934	193 98	172 90

TABLE X.

Branches of instruction as reported by school inspectors for the year ending July 10, 1905.

Counties.	Number of districts in which instruction is given in—													
	Algebra.	Arithmetic.	Botany.	Civil Government.	General History.	Geography.	Geometry.	Grammar.	Orthography.	Penmanship.	Physics.	Physiology.	Reading.	U. S. History.
Totals.....	1,420	7,046	720	5,608	1,435	6,911	523	6,996	4,209	5,284	560	6,845	7,004	6,667
Alcona.....	6	29	2	20	6	31	1	30	19	26	1	28	30	29
Alger.....	5	7	2	7	3	7	3	7	3	6	3	7	7	7
Allegan.....	20	181	16	165	31	181	8	181	130	153	11	181	181	179
Alpena.....	3	16	2	8	5	17	2	12	10	12	2	14	17	12
Antrim.....	15	67	14	40	13	66	7	64	36	41	8	62	64	58
Arenac.....	9	37	8	34	12	39	2	37	21	34	4	40	39	40
Baraga.....	3	5	2	5	2	5	2	5	5	4	3	5	5	5
Barry.....	22	142	10	121	27	143	7	139	62	109	4	138	141	136
Bay.....	15	69	4	67	19	65	4	68	19	57	4	64	66	53
Benzie.....	11	52	5	36	8	53	3	51	31	26	6	53	53	52
Berrien.....	41	144	23	125	27	142	19	142	129	103	18	142	145	142
Branch.....	24	124	8	93	13	124	6	119	42	87	6	119	122	116
Calhoun.....	41	164	10	130	38	163	6	162	100	112	10	149	159	134
Cass.....	17	108	6	78	14	106	6	109	61	84	7	107	107	104
Charlevoix.....	13	62	7	42	15	60	5	61	40	47	5	59	62	57
Cheboygan.....	13	64	10	48	16	56	2	57	44	49	3	56	57	54
Chippewa.....	10	49	5	26	7	45	1	47	26	40	9	42	48	47
Clare.....	11	55	5	39	16	55	6	53	35	44	7	50	55	48
Clinton.....	10	128	7	117	12	127	4	127	69	76	8	125	124	123
Crawford.....	3	20	2	13	6	18	3	19	8	17	1	18	20	18
Delta.....	8	30	3	17	5	30	4	30	23	24	2	29	30	28
Dickinson.....	5	8	4	8	5	8	3	8	7	7	2	8	8	8
Eaton.....	19	144	13	111	21	141	9	142	86	88	8	139	140	140
Emmet.....	10	74	4	33	11	73	3	73	33	60	2	73	77	61
Genesee.....	42	153	21	122	31	151	17	151	109	102	15	143	148	139
Gladwin.....	8	44	3	32	6	44	3	43	25	35	6	39	44	41
Gogebic.....	4	7	2	6	5	6	3	7	6	7	2	7	7	7
Grand Traverse.....	8	65	7	53	15	54	2	64	45	48	3	61	64	55
Gratiot.....	27	132	7	124	35	132	4	132	88	96	9	127	131	127
Hillsdale.....	22	163	19	119	27	163	10	161	56	131	17	154	157	150
Houghton.....	23	32	13	24	17	31	12	32	24	27	9	30	32	29
Huron.....	29	114	16	102	25	114	12	113	64	96	15	113	113	112
Ingham.....	24	136	11	109	23	135	6	129	77	98	88	127	134	129
Ionia.....	17	131	11	107	20	132	10	140	61	92	10	134	141	137
Iosco.....	14	30	6	24	11	28	7	29	17	21	7	30	30	27
Iron.....	4	8	2	7	4	8	3	8	6	7	2	8	8	8
Isabella.....	12	104	8	95	18	104	4	104	67	71	6	100	103	99
Jackson.....	29	153	11	126	3	150	10	148	117	146	10	151	149	143
Kalamazoo.....	48	133	16	92	35	132	9	132	78	107	12	132	132	122
Kalkaska.....	7	50	4	39	10	50	1	50	33	32	4	50	50	48
Kent.....	53	200	27	183	44	197	14	199	169	153	19	196	197	194
Keweenaw.....	1	5	.....	3	2	5	.....	5	4	4	.....	5	5	4
Lake.....	4	41	4	28	8	43	1	40	25	26	2	40	41	34
Lapeer.....	23	133	14	107	32	130	14	130	66	92	15	128	129	127
Leelanau.....	10	55	6	47	20	55	4	55	34	44	5	52	54	54
Lenawee.....	46	194	17	163	45	193	13	192	117	163	14	191	184	186
Livingston.....	45	123	11	107	30	128	9	130	71	94	10	121	129	128
Luce.....	2	4	2	4	2	4	4	4	4	4	2	4	4	4
Mackinac.....	1	13	3	13	6	13	3	13	9	11	2	13	13	13
Macomb.....	23	113	15	87	27	111	10	108	70	82	14	111	113	98

TABLE X.—Concluded.

Counties.	Number of districts in which instruction is given in—													
	Algebra.	Arithmetic.	Botany.	Civil Government.	General History.	Geography.	Geometry.	Grammar.	Orthography.	Penmanship.	Physics.	Physiology.	Reading.	U. S. History.
Manistee	18	63	10	44	18	64	8	63	45	49	7	60	63	56
Marquette	10	21	7	16	8	21	6	21	19	21	7	21	21	21
Mason	5	64	5	59	8	62	5	64	40	41	4	64	62	62
Mecosta	17	102	13	81	24	103	3	100	63	48	4	101	104	100
Menominee	8	39	7	24	10	38	6	38	15	24	6	38	40	34
Midland	10	76	7	60	16	73	4	73	44	60	2	73	75	69
Missaukee	7	58	4	39	14	57	3	55	24	28	3	54	58	48
Monroe	21	121	6	110	32	129	7	130	72	86	6	127	130	126
Montcalm	24	144	16	109	30	135	12	139	65	89	15	132	140	137
Montmorency	3	8	2	8	4	8	2	8	6	7	1	8	8	8
Muskegon	15	86	9	66	22	86	15	86	59	58	10	83	86	81
Newaygo	16	103	9	77	21	113	6	106	38	61	8	107	110	99
Oakland	47	188	20	114	40	192	16	188	68	150	17	180	191	180
Oceana	9	87	5	66	10	88	6	88	48	53	3	84	85	82
Ogemaw	9	41	3	18	7	41	1	41	15	30	2	39	40	41
Ontonagon	6	9	5	7	5	9	4	9	8	9	4	8	9	8
Osceola	14	93	7	70	18	93	7	91	45	61	6	91	92	89
Oscoda	2	13	1	10	4	11	1	11	9	10	1	13	13	13
Otsego	6	34	5	16	11	35	2	32	16	25	3	32	33	31
Ottawa	24	120	14	92	26	123	7	121	85	94	6	122	123	118
Presque Isle	6	35	5	23	19	35	2	35	23	29	6	33	35	34
Roscommon	6	17	2	10	5	17	.....	17	12	15	1	16	17	12
Saginaw	47	147	18	136	48	161	11	156	92	121	13	154	159	152
St. Clair	26	153	10	126	17	152	7	155	136	135	8	153	152	145
St. Joseph	19	123	9	97	17	122	8	122	82	115	9	114	118	114
Sanilac	52	153	15	144	18	153	8	152	165	119	9	153	153	151
Schoolcraft	2	9	1	9	3	9	1	8	5	7	1	9	9	9
Shiawassee	18	117	14	99	22	118	13	116	74	90	11	113	118	111
Tuscola	24	149	15	127	33	147	13	147	69	119	16	147	147	148
Van Buren	22	161	11	143	21	162	11	161	115	115	12	162	162	158
Washtenaw	26	165	11	124	22	163	10	164	71	132	10	153	159	149
Wayne	32	151	21	114	38	143	15	157	70	132	14	148	144	137
Wexford	9	81	5	64	11	80	2	80	60	56	3	78	79	78

TABLE XI.

Private or parochial schools for the year ending July 10, 1905.

Counties.	Number of private schools.	Number of parochial schools.	Number of teachers.		Estimated number of pupils.
			Men.	Women.	
Totals	80	393	404	979	59,316
Alcona	.....	.....	.....	.....	.....
Alger	.....	.....	.....	.....	.....
Allegan	.....	4	2	4	190
Alpena	.....	6	.....	.....	.....
Antrim	.....	.....	.....	.....	.....
Arenac	.....	1	1	.....	15
Baraga	.....	.....	.....	.....	.....
Barry	1	1	.....	2	14
Bay	2	21	27	50	4,920
Benzie	1	.....	.....	1	.....
Berrien	3	9	14	18	760
Branch	.....	1	1	2	165
Calhoun	.....	5	3	19	605
Cass	.....	.....	.....	.....	.....
Charlevoix	1	1	1	3	112
Cheboygan	3	4	2	8	430
Chippewa	2	3	.....	10	440
Clare	.....	.....	.....	.....	.....
Clinton	.....	4	1	9	491
Crawford	.....	.....	.....	.....	.....
Delta	.....	2	.....	13	705
Dickinson	.....	1	.....	5	200
Eaton	.....	1	.....	1	15
Emmet	1	2	2	6	290
Genesee	2	1	9	2	240
Gladwin	.....	.....	.....	.....	.....
Gogebic	.....	1	.....	12	500
Grand Traverse	1	1	.....	8	350
Gratiot	.....	1	.....	1	18
Hillsdale	.....	2	.....	2	24
Houghton	4	12	12	60	2,075
Huron	1	11	11	4	762
Ingham	.....	4	2	5	450
Ionia	1	2	1	5	335
Iosco	.....	2	2	.....	120
Iron	.....	.....	.....	.....	.....
Isabella	.....	2	.....	11	450
Jackson	4	4	1	23	710
Kalamazoo	1	4	5	8	827
Kalkaska	.....	.....	.....	.....	.....
Kent	6	25	20	98	5,302
Keweenaw	.....	.....	.....	.....	.....
Lake	.....	.....	.....	.....	.....
Lapeer	.....	.....	.....	.....	.....
Leelanau	.....	5	3	6	385
Lenawee	.....	10	10	6	586
Livingston	.....	.....	.....	.....	.....
Luce	.....	.....	.....	.....	.....
Mackinac	.....	1	.....	3	75
Macomb	1	13	10	11	1,050
Manistee	1	8	6	19	1,502
Marquette	.....	3	.....	24	1,200
Mason	.....	5	4	10	468
Mecosta	.....	3	3	4	56
Menominee	.....	3	1	13	680
Midland	1	2	.....	3	93
Missaukee	.....	.....	.....	.....	.....
Monroe	2	11	8	14	916
Montcalm	.....	3	3	1	85
Montmorency	.....	1	1	.....	35
Muskegon	1	7	4	22	902
Newaygo	.....	.....	.....	.....	.....
Oakland	.....	1	1	4	275
Oceana	1	6	2	4	331
Ogemaw	1	.....	.....	1	8
Ontonagon	.....	.....	.....	.....	.....
Osceola	.....	2	2	.....	106
Oscoda	.....	.....	.....	.....	.....
Otsego	.....	1	1	1	40
Ottawa	.....	6	4	14	700
Presque Isle	2	11	8	6	400
Roscommon	.....	.....	.....	.....	.....
Saginaw	15	28	22	19	1,494
St. Clair	4	14	7	23	1,680
St. Joseph	.....	3	3	.....	50
Sanilac	.....	3	3	.....	75
Schoolcraft	.....	1	.....	5	250
Shiawassee	1	2	1	4	255
Tuscola	.....	9	8	2	405
Van Buren	1	3	3	1	69
Washtenaw	.....	12	11	5	510
Wayne	15	77	158	363	23,108
Wexford	.....	1	.....	1	12

TABLE XII.

Examination and certification of teachers as reported by the county commissioner for the year ending June 30, 1905.

Counties.	Number of public examinations held.	Number of applicants for regular certificates.	Number of applicants for special certificates.	Number of applicants receiving certificates.					Number licensed without experience in teaching.	Number of applicants having received normal school instruction.	Number of applicants having attended institute during the year.	Number of teachers holding State certificates.	Number of teachers holding State normal college certificates.	Number of teachers holding central normal school certificates.	Number of teachers holding northern normal school certificates.	Number of teachers holding county normal training class certificates.	Number holding certificates issued by county board of examiners.	Number holding certificates issued by city board of education.	Number of legally qualified teachers in the county including city teachers.	Number of certificates suspended.	Number of certificates annulled.	Number of certificates transferred.	Number of districts hiring teachers by the year.	Number of new teachers added to teaching force during year.
				County first grade.	Indorsed first grade.	Second grade.	Third grade.	Special.																
Totals	309	11,527	1,271	76	37	2,083	4,261	1,014	2,152	942	4,236	424	1,108	372	66	325	11,048	3,379	17,022	1	1	251	5,391	2,497
Alcona	4	56	.....	.....	.....	8	15	.....	6	.....	.....	3	.....	.....	.....	.....	40	.....	40	.....	.....	1	.....	7
Alger	4	32	.....	.....	.....	11	12	.....	4	7	10	1	4	.....	.....	.....	40	.....	55	.....	.....	1	7	5
Allegan	4	305	19	1	.....	62	89	19	64	25	102	5	10	1	.....	.....	290	.....	306	.....	.....	3	155	64
Alpena	3	70	14	.....	.....	7	27	14	19	1	32	.....	.....	.....	.....	.....	45	47	92	.....	.....	.....	4	17
Antrim	4	68	24	1	1	15	27	11	10	3	23	5	15	8	.....	12	84	.....	124	.....	.....	6	42	32
Arenac	4	46	6	.....	.....	14	16	4	5	5	30	6	4	4	.....	20	48	.....	67	.....	.....	4	30	15
Baraga	3	29	7	.....	.....	2	7	6	3	2	6	5	1	.....	.....	.....	33	.....	39	.....	.....	.....	5	2
Barry	4	208	35	.....	1	47	61	25	20	5	82	8	10	1	.....	14	182	4	219	.....	.....	6	105	30
Bay	4	131	8	.....	.....	11	52	8	32	24	62	1	2	1	.....	1	127	202	333	.....	.....	1	67	20
[illegible]ie	4	87	20	.....	.....	20	25	20	9	6	65	6	12	5	.....	.....	65	.....	88	.....	.....	3	17	9
[illegible]	4	283	6	.....	2	52	81	4	68	25	12	6	41	6	.....	.....	263	14	340	.....	.....	.....	146	150
[illegible]	4	182	21	1	1	41	65	11	38	15	103	11	23	2	.....	.....	172	13	221	.....	.....	7	89	38
[illegible]	4	283	10	4	2	67	112	6	70	11	115	5	7	3	.....	.....	252	c 150	428	.....	.....	5	136	75
[illegible]	4	199	4	2	2	27	75	4	32	3	95	10	11	3	.....	.....	165	16	205	.....	.....	1	100	32
[illegible]ix	4	64	10	.....	1	12	33	7	16	7	32	5	7	23	.....	18	108	.....	165	.....	.....	7	41	27
[illegible]neboygan	4	147	50	.....	.....	14	42	33	24	4	30	5	8	4	.....	.....	81	20	118	.....	.....	4	64	43
Chippewa	4	102	19	2	1	18	44	16	28	29	48	7	25	3	3	.....	91	19	157	.....	.....	4	85	15
Clare	3	80	26	.....	.....	8	28	18	11	2	26	1	5	3	.....	.....	64	.....	75	.....	.....	2	15	20
Clinton	4	122	30	.....	.....	23	56	23	30	15	75	7	12	12	.....	21	133	.....	173	.....	.....	4	90	35
Crawford	4	24	10	.....	.....	6	8	20	7	.....	15	1	.....	.....	.....	.....	25	.....	26	.....	.....	5	3	5
Delta	3	92	3	.....	.....	11	31	3	12	6	26	1	10	10	.....	.....	85	35	146	.....	.....	.....	50	40
Dickinson	2	20	12	.....	.....	9	5	8	.....	5	21	7	4	2	2	.....	21	55	117	.....	.....	.....	6	3
Eaton	4	166	17	.....	.....	34	89	15	40	20	94	13	29	14	.....	.....	195	14	254	.....	.....	1	100	32
Emmet	4	111	17	.....	.....	25	38	17	10	6	52	5	19	3	.....	1	110	11	137	.....	.....	3	56	32
Genesee	4	260	10	7	.....	44	118	8	59	15	55	e 12	e 15	.....	.....	.....	e 250	e 45	e 325	.....	.....	6	e 80	e 48

Gladwin	2	76	10	....	....	8	22	10	8	.....	22	2	.....	1	.....	.....	55	.....	58	.....	.....	3	e 35		10
Gogebic	2	22	.....	.....	.....	4	17	.....	6	3	.....	.....	20	7	2	.....	21	76	126	.....	.....	.....	7		25
Grand Traverse	4	97	16	1	....	21	37	14	16	8	38	2	3	2	.....	.....	100	14	155	.....	.....	4	45		30
Gratiot	4	206	40	1	1	37	75	15	40	13	90	11	7	33	.....	9	210	15	285	.....	.....	7	e 100		65
Hillsdale	4	227	30	2	....	37	70	17	30	4	50	12	13	.....	.....	1	190	8	225	.....	.....	10	e 100		40
Houghton	3	185	45	5	....	46	69	40	23	25	75	20	88	2	6	.....	252	.....	420	.....	.....	4	28		20
Huron	3	212	13	....	2	39	53	13	29	11	40	4	19	13	.....	.....	142	.....	178	.....	.....	.....	117		25
Ingham	4	142	46	2	2	18	52	39	48	12	70	10	6	3	.....	9	222	78	318	.....	.....	3	54	e	20
Ionia	4	183	23	....	....	33	67	18	45	15	100	e 5	e 8	e 5	.....	15	318	28	361	.....	.....	1	e 85	e	75
Iosco	4	61	4	....	....	8	26	4	14	2	26	e 6	4	2	.....	9	52	.....	76	.....	.....	4	28		18
Iron	4	41	5	....	....	8	15	3	7	6	20	e 7	11	5	5	.....	34	.....	66	.....	.....	.....	7	e	25
Isabella	4	214	20	2	....	27	50	14	25	27	101	2	2	51	.....	.....	100	1	154	.....	.....	3	75		25
Jackson	4	304	14	1	....	40	96	8	45	23	.....	4	101	6	.....	.....	137	97	248	.....	.....	5	90		32
Kalamazoo	4	249	12	....	....	51	76	9	38	52	93	7	27	.....	3	.....	206	70	354	.....	.....	6	108		35
Kalkaska	4	67	12	1	1	8	12	5	4	1	12	2	4	7	.....	15	34	.....	66	.....	.....	3	e 13	e	20
Kent	4	272	10	5	2	54	91	4	57	6	60	8	11	.....	.....	.....	328	315	643	.....	.....	5	e 150		61
Keweenaw	2	6	5	....	....	2	3	5	1	4	5	2	3	.....	1	.....	18	.....	23	.....	.....	2	11		8
Lake	4	54	8	....	....	10	22	8	15	.....	28	.....	.....	.....	.....	.....	51	.....	55	.....	.....	3	9		15
Lapeer	3	152	17	1	....	37	72	15	49	6	156	.....	15	.....	.....	.....	167	19	192	.....	.....	6	122		40
Leelanau	4	63	5	....	....	18	32	3	14	19	41	3	2	3	.....	.....	64	.....	76	.....	.....	1	.....		21
Lenawee	4	287	48	3	....	67	120	32	56	20	90	18	20	2	.....	.....	289	47	376	.....	.....	4	160		75
Livingston	4	257	7	2	....	22	103	7	44	63	111	4	40	1	.....	11	329	.....	370	.....	.....	.....	56		125
Luce	3	10	2	....	....	1	1	2	.....	.....	2	.....	6	.....	1	.....	20	1	28	.....	.....	1	4		.....
Mackinac	4	54	16	....	....	15	51	16	19	6	27	1	3	.....	.....	.....	62	3	65	.....	.....	4	24		16
Macomb	4	142	8	1	....	26	34	6	16	2	60	1	28	.....	.....	18	158	14	224	.....	.....	1	112		16
Manistee	3	103	6	....	1	11	51	5	15	3	48	13	8	9	.....	.....	88	48	150	.....	.....	.....	e 50		18
Marquette	2	65	9	7	1	14	37	9	22	45	23	8	24	.....	34	.....	92	99	316	.....	.....	.....	21		35
Mason	4	84	8	....	....	15	37	8	18	6	80	10	18	3	.....	15	83	21	129	.....	.....	3	e 40		25
Mecosta	4	233	14	....	2	25	70	14	23	.....	65	1	2	2	.....	16	116	23	e 150	.....	.....	.....	e 15		.....
Menominee	3	107	14	1	....	18	55	10	22	12	51	5	.....	.....	2	.....	110	60	170	.....	.....	.....	40		5
Midland	4	149	25	....	....	18	42	17	20	e 8	53	4	3	5	.....	12	90	8	120	.....	.....	2	e 60	e	25
Missaukee	4	115	15	....	....	18	40	8	17	7	e 36	5	1	7	.....	.....	77	.....	91	.....	.....	1	e 40		23
Monroe	4	180	9	....	....	44	66	9	30	10	65	.....	7	.....	.....	.....	193	10	224	1	1	2	125		30
Montcalm	4	244	28	1	1	24	96	22	29	26	73	2	3	8	.....	.....	168	23	253	.....	.....	3	35	e	36
Montmorency	4	40	12	....	....	2	9	5	10	.....	26	2	2	.....	.....	.....	21	.....	27	.....	.....	2	20		6
Muskegon	4	142	10	....	....	21	77	7	42	15	35	3	6	3	.....	.....	160	175	e 335	.....	.....	6	75		38
Newaygo	4	176	32	....	....	27	79	32	45	16	60	.....	5	5	.....	.....	280	.....	294	.....	.....	1	67		32
Oakland	4	207	14	2	2	48	115	12	56	10	100	13	35	5	.....	23	303	20	405	.....	.....	6	200		56
Oceana	4	153	18	3	2	32	51	18	23	6	45	7	e 15	3	.....	11	e 175	.....	e 200	.....	.....	6	e 70	e	25
Ogemaw	3	37	10	....	....	7	15	10	7	2	16	2	1	.....	.....	1	48	.....	52	.....	.....	3	25		7
Ontonagon	4	61	7	....	....	12	28	7	9	12	18	1	9	.....	3	.....	63	.....	80	.....	.....	2	40		24
Osceola	3	138	10	1	2	28	45	10	25	9	37	4	10	14	.....	15	140	.....	179	.....	.....	6	70		30
Oscoda	4	8	6	....	1	.....	3	8	3	.....	12	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	15		1
Otsego	4	63	5	....	....	12	14	2	5	3	13	2	5	8	.....	.....	42	.....	57	.....	.....	6	12		16
Ottawa	4	196	8	2	....	44	70	6	38	8	88	11	9	.....	.....	.....	250	e 42	e 320	.....	.....	12	e 120	e	45

e Estimated.

TABLE XII.—CONCLUDED.

Counties.	Number of public examinations held.	Number of applicants for regular certificates.	Number of applicants for special certificates.	Number of applicants receiving certificates.					Number licensed without experience in teaching.	Number of applicants having received normal school instruction.	Number of applicants having attended institute during the year.	Number of teachers holding State certificates.	Number of teachers holding State normal college certificates.	Number of teachers holding central normal school certificates.	Number of teachers holding northern normal school certificates.	Number of teachers holding county normal training class certificates.	Number holding certificates issued by county board of examiners.	Number holding certificates issued by city board of education.	Number of legally qualified teachers in the county including city teachers.	Number of certificates suspended.	Number of certificates annulled.	Number of certificates transferred.	Number of districts hiring teachers by the year.	Number of new teachers added to teaching force during year.
				County first grade.	Indorsed first grade.	Second grade.	Third grade.	Special.																
Presque Isle	4	16	8	....	....	6	18	8	7	3	25	.....	2	2	.....	.....	35	.....	48	....	....	2	1	10
Roscommon	4	16	6	....	....	3	8	6	3	.....	8	.....	1	2	.....	.....	12	.....	22	....	....	2	1	.....
Saginaw	4	250	7	2	2	30	87	4	43	9	83	5	8	7	.....	.....	231	247	478	....	....	4	e 125	e 30
St. Clair	4	200	12	....	....	25	101	8	52	22	97	4	24	3	.....	27	198	70	326	....	....	....	e 140	50
St. Joseph	4	177	42	5	1	43	73	41	54	12	58	2	15	.....	.....	.....	121	.....	219	....	....	4	106	51
Sanilac	4	327	16	....	....	45	101	16	46	18	82	10	17	....	.....	.....	232	.....	259	....	....	....	150	53
Schoolcraft	3	36	4	....	....	18	12	4	2	20	30	1	2	3	4	.....	44	20	74	....	....	3	32	2
Shiawassee	4	193	30	....	....	52	67	20	32	22	114	3	23	15	.....	9	119	32	321	....	....	4	100	50
Tuscola	4	230	7	1	1	68	74	7	42	10	72	3	8	2	.....	.....	216	.....	224	....	....	4	e 65	25
Van Buren	4	261	44	....	....	52	106	35	48	21	59	8	11	2	.....	.....	241	22	281	....	....	3	135	56
Washtenaw	4	178	11	2	2	23	71	11	40	14	28	....	23	....	.....	.....	193	75	330	....	....	2	130	2
Wayne	4	249	16	4	1	59	91	14	44	18	60	26	75	1	.....	.....	287	916	1,330	....	....	5	152	30
Wexford	4	134	14	....	....	14	30	14	14	6	48	2	1	12	.....	22	92	37	166	....	....	2	81	23

e Estimated.

TABLE XIII.

Miscellaneous statistics as reported by the county commissioner of schools for the year ending June 30, 1905.

Counties.	Number of meetings of county teachers' associations.	Number of other teachers' meetings.	Number of days devoted to meetings of county board.	Amount allowed by board of supervisors for stationery, etc.	Amount of compensation received by members of the board, other than the commissioner.	Salary of the commissioner.	Amount of institute fees collected.	Number of districts visited by the commissioner during the year.	Number of visits made by commissioner and assistant visitor during the year.	Number of districts in which the compulsory attendance law is enforced
Totals.....	153	87	902	$12,936 72	$21,216 55	$75,475 00	$10,804 64	7,512	11,618	3,360
Alcona.....	2	1	13	$75 00	$104 00	$300 00	.....	34	38	30
Alger.....	1	.....	12	.....	100 00	500 00	$32 50	45	50	15
Allegan.....	3	3	26	200 00	480 00	1,200 00	203 00	177	191	e 125
Alpena.....	.....	1	31	175 00	248 00	550 00	82 00	52	56	.....
Antrim.....	3	.....	4	200 00	.....	1,000 00	59 50	73	140	73
Arenac.....	3	.....	16	150 00	128 00	500 00	28 50	41	110	.....
Baraga.....	.....	1	4	11 84	92 00	650 00	12 50	21	35	2
Barry.....	2	.....	12	181 97	288 00	1,200 00	147 50	131	158	143
Bay.....	3	.....	6	300 00	308 00	1,200 00	151 00	73	200	10
Benzie.....	2	1	7	66 74	94 00	500 00	59 50	53	57	5
Berrien.....	1	.....	16	200 00	380 00	1,200 00	232 00	143	220	130
Branch.....	3	1	5	110 70	197 50	1,200 00	156 50	127	254	e 47
Calhoun.....	3	.....	12	300 00	300 00	1,500 00	231 00	164	251	e 75
Cass.....	2	.....	4	138 71	522 00	1,000 00	130 00	111	117	110
Charlevoix.....	4	.....	14	150 00	160 00	1,000 00	83 50	65	110	12
Cheboygan.....	3	.....	12	168 00	274 00	800 00	84 50	64	92	.....
Chippewa.....	.....	.....	10	50 00	257 00	1,000 00	92 00	81	120	10
Clare.....	2	1	9	e 150 00	150 00	500 00	61 00	59	80	e 50
Clinton.....	5	1	9	200 00	240 00	1,200 00	102 50	120	155	.....
Crawford.....	.....	.....	5	24 00	68 00	200 00	25 00	12	17	7
Delta.....	.....	.....	11	.....	.....	1,000 00	84 50	60	110	30
Dickinson.....	1	.....	4	125 00	40 00	1,200 00	70 00	6	154	5
Eaton.....	2	1	13	200 00	326 00	1,200 00	170 50	188	281	188
Emmet.....	2	.....	16	.....	224 00	900 00	89 00	74	150	.....
Genesee.....	1	4	7	200 00	500 00	1,200 00	174 00	135	160	e 10
Gladwin.....	1	1	10	145 42	134 00	300 00	41 50	38	45	.....
Gogebic.....	.....	.....	6	50 00	48 00	450 00	119 50	7	175	7
Grand Traverse..	1	1	6	100 00	156 00	600 00	113 00	67	70	1
Gratiot.....	2	.....	4	200 00	284 00	1,200 00	136 00	133	245	e 100
Hillsdale.....	3	.....	4	200 00	304 00	1,200 00	185 00	160	175	163
Houghton.....	.....	1	3	78 00	180 00	800 00	260 50	25	33	7
Huron.....	5	.....	3	200 00	280 00	1,100 00	182 50	116	130	15
Ingham.....	1	6	30	140 20	242 00	1,350 00	149 50	136	188	.....
Ionia.....	1	2	5	365 86	320 00	1,200 00	168 50	128	145	.....
Iosco.....	2	1	5	200 00	180 00	500 00	31 50	30	33	4
Iron.....	.....	1	3	100 00	108 00	600 00	41 50	22	27	3
Isabella.....	2	.....	4	173 96	370 00	1,000 00	114 89	100	114	26
Jackson.....	4	.....	11	260 00	456 00	1,500 00	288 00	300	346	5
Kalamazoo.....	2	12	8	200 00	408 20	1,200 00	217 00	136	231	.....
Kalkaska.....	1	2	4	200 00	90 00	600 00	44 50	52	110	.....
Kent.....	5	6	52	346 64	1,228 00	1,500 00	509 00	161	180	.....
Keweenaw.....	.....	.....	8	21 00	32 00	125 00	15 00	11	21	2
Lake.....	.....	4	24	.....	96 00	600 00	39 50	45	124	.....
Lapeer.....	3	.....	9	156 38	524 00	1,200 00	129 50	134	156	100
Leelanau.....	3	.....	4	37 50	184 00	600 00	43 50	58	112	58
Lenawee.....	2	.....	12	263 06	376 00	1,200 00	269 00	121	147	e 165
Livingston.....	2	.....	12	134 54	216 00	1,200 00	171 00	129	178	47
Luce.....	.....	.....	3	4 75	72 00	200 00	16 50	6	10	.....
Mackinac.....	.....	.....	20	178 00	184 00	500 00	52 50	42	44	49
Macomb.....	2	.....	6	.....	368 00	1,100 00	118 00	124	132	

e Estimated.

TABLE XIII.—CONCLUDED.

Counties.	Number of meetings of county teachers' associations.	Number of other teachers' meetings.	Number of days devoted to meetings of county board.	Amount allowed by board of supervisors for stationery, etc.	Amount of compensation received by members of the board, other than the commissioner.	Salary of the commissioner.	Amount of institute fees collected.	Number of districts visited by the commissioner during the year.	Number of visits made by commissioner and assistant visitor during the year.	Number of districts in which the compulsory attendance law is enforced.
Manistee	2	.....	4	$200 00	$188 00	$750 00	$95 50	69	117	60
Marquette	.....	.....	8	157 93	104 00	1,500 00	151 50	44	182	13
Mason	1	.....	13	187 00	200 50	700 00	81 00	66	115	.....
Mecosta	.....	4	8	200 00	284 00	1,000 00	182 00	104	123	.....
Menominee	3	.....	12	60 00	66 00	1,200 00	103 50	80	130	.....
Midland	2	1	4	*e* 140 00	221 00	600 00	57 00	77	131	*e* 10
Missaukee	1	2	19	21 98	152 00	600 00	65 25	57	71	.....
Monroe	3	.....	39	290 00	312 00	1,200 00	149 00	137	158	10
Montcalm	1	.....	12	200 00	248 00	1,200 00	146 00	141	208	*e* 60
Montmorency	2	.....	4	20 00	128 00	300 00	31 50	30	50	25
Muskegon	2	6	8	125 00	412 25	1,200 00	169 50	95	325	25
Newaygo	3	.....	12	265 93	373 00	1,000 00	106 50	115	174	.....
Oakland	.....	2	7	275 00	376 00	1,200 00	211 50	197	240	*e* 197
Oceana	3	.....	4	*e* 100 00	494 00	750 00	115 50	89	267	89
Ogemaw	1	.....	3	.....	104 00	500 00	34 00	44	82	.....
Ontonagon	.....	.....	20	85 28	156 00	450 00	50 50	6	10	9
Osceola	1	1	6	200 00	231 00	1,150 00	138 50	93	143	93
Oscoda	.....	.....	12	30 00	72 00	200 00	8 00	28	50	28
Otsego	3	.....	45	80 00	180 00	500 00	40 00	30	54	8
Ottawa	13	2	4	200 00	*e* 300 00	1,000 00	184 50	121	142	28
Presque Isle	2	1	12	100 00	90 00	500 00	25 00	50	200	40
Roscommon	.....	.....	12	10 00	96 00	200 00	13 50	9	9	.....
Saginaw	3	.....	15	500 00	600 00	1,200 00	294 00	160	372	162
St. Clair	1	.....	5	360 00	380 00	1,500 00	192 00	152	191	152
St. Joseph	1	.....	.....	248 63	238 10	1,200 00	184 50	123	237	.....
Sanilac	.....	.....	20	200 00	768 00	1,300 00	278 50	154	240	154
Schoolcraft	2	4	12	100 00	96 00	500 00	31 00	32	93	.....
Shiawassee	4	.....	4	200 00	376 00	1,200 00	174 50	122	136	20
Tuscola	1	1	4	200 00	250 00	1,200 00	163 00	148	175	4
Van Buren	1	11	4	173 83	308 00	1,200 00	209 00	151	212	136
Washtenaw	2	.....	12	350 00	288 00	1,200 00	205 00	164	200	150
Wayne	3	.....	20	323 87	516 00	2,000 00	818 50	153	200	.....
Wexford	2	.....	4	200 00	288 00	750 00	76 50	81	204	56

e Estimated.

TABLE XIV.

Condition of schools and schoolhouses as reported by the county commissioner of schools for the year ending June 30, 1905.

Counties.	Number of schools supplied with dictionaries.	Number of schools supplied with maps.	Number of schools supplied with globes.	Number of schoolhouses properly heated and ventilated.	Number of schools having uniform text-books in each branch.	Number of schools having a prescribed course of study.	Number of schools properly classified.	Number of schools in which physiology, etc., is taught.	Number of districts that have adopted text-books in physiology.	Number of districts that have taught communicable diseases according to law.	Number of townships organized as township districts.	Number of districts furnishing free text-books.	Number of pupils in 8th grade exclusive of graded schools.	Number of 8th grade diplomas granted.
Totals	7,094	6,616	6,113	3,121	5,876	3,798	6,322	7,511	6,344	5,672	135	888	12,532	4,044
Alcona	33	34	33	.....	32	34	34	34	.....	34	3	7	42	8
Alger	29	29	29	25	51	51	40	51	.....	.....	7	29	15	7
Allegan	171	168	166	170	.....	165	100	184	184	e 100	.....	8	366	114
Alpena	56	50	40	.....	15	15	46	58	.....	.....	5	.....	25	.....
Antrim	73	73	66	60	40	7	55	68	73	68	.....	17	56	26
Arenac	39	37	38	.....	35	6	35	41	41	35	.....	14	75	45
Baraga	19	20	19	13	5	6	12	21	5	21	5	5	16	2
Barry	123	125	91	108	131	.....	125	143	143	143	.....	4	e 375	132
Bay	65	60	60	57	73	1	65	73	73	73	1	20	e 360	100
Benzie	53	53	51	15	40	5	50	53	53	53	.....	7	20	6
Berrien	160	e 120	e 100	12	e 100	144	e 120	144	.....	.....	.....	.....	.....	78
Branch	89	74	66	e 25	113	8	e 90	e 115	127	e 65	.....	2	e 114	22
Calhoun	150	145	145	100	140	9	125	164	164	164	.....	8	200	105
Cass	100	95	93	86	90	100	110	111	111	111	.....	.....	250	49
Charlevoix	68	68	56	e 15	68	3	e 30	68	68	10	.....	22	80	20
Cheboygan	60	64	50	7	60	e 10	65	65	e 50	.....	3	39	110	32
Chippewa	70	70	65	40	48	75	60	81	81	45	8	50	43	9
Clare	52	50	42	.....	25	3	60	.....	.....	.....	.....	.....	.....	13
Clinton	129	60	100	129	100	129	e 100	129	129	129	.....	2	180	47
Crawford	23	18	13	10	15	1	16	25	25	25	.....	3	8	3
Delta	46	50	45	50	58	2	48	60	60	60	8	8	21	12
Dickinson	6	6	6	6	6	6	6	6	6	6	6	6	35	8
Eaton	90	90	90	7	137	137	137	137	.....	137	.....	4	180	94
Emmet	74	60	50	60	70	5	.....	74	.....	.....	.....	.....	15	9
Genesee	e 130	e 120	e 110	e 20	e 70	e 15	140	130	e 100	e 50	.....	2	200	.....
Gladwin	e 35	e 25	e 30	e 30	e 30	3	30	40	35	e 25	2	10	85	40
Gogebic	75	75	60	18	97	97	97	97	7	7	5	5	12	7
Grand Traverse	58	44	49	9	64	4	67	67	45	.....	.....	11	100	17
Gratiot	130	120	100	5	e 128	100	e 125	133	133	133	.....	3	e 450	101
Hillsdale	150	148	115	e 100	e 130	e 100	e 150	163	163	163	.....	.....	240	55
Houghton	32	32	30	34	20	10	28	25	19	31	1	10	40	14
Huron	108	107	105	20	112	115	114	116	116	116	.....	22	250	111
Ingham	132	115	96	5	104	10	40	136	136	136	.....	.....	e 400	30
Ionia	e 142	e 100	e 75	e 13	e 33	15	133	133	e 100	.....	.....	.....	e 175	31
Iosco	30	26	25	10	22	7	15	30	30	30	1	9	40	6
Iron	28	25	23	23	15	3	23	26	7	20	8	4	24	6
Isabella	97	81	93	e 62	76	e 50	70	e 90	e 90	90	3	.....	e 165	45
Jackson	140	135	135	78	25	10	e 120	156	156	156	.....	.....	183	51
Kalamazoo	125	120	90	20	100	136	136	136	136	.....	.....	4	251	100
Kalkaska	e 50	e 45	e 45	1	e 50	e 3	e 50	52	e 50	52	.....	e 35	e 80	6
Kent	204	202	188	e 41	e 80	10	e 200	205	205	205	.....	9	344	138
Keweenaw	11	11	11	2	11	.....	2	11	11	11	4	.....	8	5
Lake	43	43	43	6	26	3	40	45	45	45	.....	7	48	16
Lapeer	100	80	90	60	130	100	90	134	134	134	.....	1	172	78
Leelanau	51	53	38	4	e 50	6	58	58	58	58	.....	2	63	47
Lenawee	187	182	177	150	192	e 150	182	188	102	e 155	.....	2	575	69
Livingston	86	97	79	113	121	130	130	135	135	52	.....	.....	275	85
Luce	11	11	6	.....	2	2	2	15	.....	.....	4	4	.....	.....
Mackinac	35	48	36	24	28	.....	10	38	20	25	10	4	89	1
Macomb	110	108	100	10	75	20	100	114	75	114	.....	1	91	21

e Estimated.

TABLE XIV.—Concluded.

Counties.	Number of schools supplied with dictionaries.	Number of schools supplied with maps.	Number of schools supplied with globes.	Number of schoolhouses properly heated and ventilated.	Number of schools having uniform text-books in each branch.	Number of schools having a prescribed course of study.	Number of schools properly classified.	Number of schools in which physiology, etc., is taught.	Number of districts that have adopted text-books in physiology.	Number of districts that have taught communicable diseases according to law.	Number of townships organized as township districts.	Number of districts furnishing free text-books.	Number of pupils in 8th grade exclusive of graded schools.	Number of 8th grade diplomas granted.
Manistee	58	62	53	e 45	e 62	9	69	68	e 60	69	.....	10	188	80
Marquette	37	44	26	20	44	14	44	44	44	44	18	18	8	5
Mason	65	65	65	.....	60	65	60	66	65	.....	.....	24	109	54
Mecosta	104	96	88	8	96	10	84	104	104	.....	.....	25	.....	82
Menominee	39	39	e 30	4	39	39	e 30	39	39	39	6	.....	58	26
Midland	e 65	70	e 45	4	e 30	3	74	77	70	e 65	.....	e 15	15	1
Missaukee	71	e 45	45	2	36	45	45	59	59	59	.....	7	40	e 35
Monroe	125	130	118	110	120	10	130	125	130	100	.....	1	300	72
Montcalm	129	143	100	.....	e 125	e 100	e 125	141	e 100	141	.....	7	e 300	134
Montmorency	27	24	20	10	26	15	24	28	30	30	6	26	41	21
Muskegon	80	80	85	15	60	20	93	95	75	50	.....	25	125	62
Newaygo	113	104	103	e 80	99	4	e 75	117	117	.....	.....	26	103	42
Oakland	197	190	181	e 175	197	197	195	197	197	197	.....	.....	e 225	80
Oceana	e 80	e 80	e 80	e 80	91	3	91	91	91	91	.....	.....	127	88
Ogemaw	42	40	34	.....	36	2	44	44	e 40	.....	1	2	21	2
Ontonagon	55	55	45	25	20	4	30	65	20	e 20	9	16	20	2
Osceola	91	89	91	5	93	93	93	93	93	93	.....	27	204	63
Oscoda	28	28	20	25	14	14	12	20	28	28	.....	.....	.....	8
Otsego	38	36	38	.....	30	40	40	40	40	40	1	15	50	7
Ottawa	121	102	81	e 60	123	.....	e 100	118	.....	118	.....	21	e 340	92
Presque Isle	48	46	39	45	39	4	51	51	43	51	3	33	200	12
Roscommon	9	e 7	e 7	.....	9	1	8	14	14	14	.....	3	3	.....
Saginaw	160	160	160	25	148	160	160	160	160	160	.....	e 50	372	200
St. Clair	145	131	137	152	140	152	145	152	152	152	.....	23	250	88
St. Joseph	123	123	99	e 68	e 95	19	96	123	.....	123	.....	9	e 350	48
Sanilac	154	e 130	135	.....	*154	154	e 70	154	154	154	.....	4	e 500	145
Schoolcraft	30	30	30	.....	30	30	.....	30	30	30	7	16	63	21
Shiawassee	115	98	80	25	45	9	65	120	100	76	.....	1	326	74
Tuscola	139	115	138	e 40	142	149	e 90	149	149	149	.....	6	e 450	115
Van Buren	152	144	145	121	79	17	119	152	152	152	.....	2	222	107
Washtenaw	150	120	120	4	124	164	155	164	164	164	.....	e 12	263	108
Wayne	145	140	136	40	150	150	152	152	152	152	.....	11	225	129
Wexford	81	78	76	80	77	81	72	81	81	24	.....	53	88	20

e Estimated.

TABLE XV.

Showing the extent to which physiology was taught in the schools of the State during the year ending July 10, 1905, as compiled from director's reports.

Counties.	Number of districts in county.	Number of districts reporting physiology taught.	Number of districts reporting physiology not taught.	Number of districts not reporting.	Counties.	Number of districts in county.	Number of districts reporting physiology taught.	Number of districts reporting physiology not taught.	Number of districts not reporting.
Totals	7,267	6,346	212	709	Kent	205	190	5	10
					Keweenaw	5	5	.....	.....
					Lake	46	33	3	10
					Lapeer	135	106	10	19
Alcona	34	27	2	5	Leelanau	58	48	4	6
Alger	7	7	.....	.....					
Allegan	184	167	3	14	Lenawee	196	185	9	2
Alpena	19	16	1	2	Livingston	134	104	6	24
Antrim	72	66	2	4	Luce	4	4	.....	.....
					Mackinac	13	13	.....	.....
Arenac	41	39	.....	2	Macomb	114	100	.....	14
Baraga	5	5	.....	.....					
Barry	144	120	2	22	Manistee	64	59	.....	5
Bay	70	63	3	4	Marquette	21	21	.....	.....
Benzie	53	47	3	3	Mason	64	56	1	7
					Mecosta	107	93	2	12
Berrien	146	121	6	19	Menominee	40	37	.....	3
Branch	128	124	.....	4					
Calhoun	164	143	5	16	Midland	78	66	3	9
Cass	112	111	.....	1	Missaukee	58	46	.....	12
Charlevoix	66	62	1	3	Monroe	138	117	12	9
					Montcalm	142	115	7	20
Cheboygan	57	55	2	.....	Montmorency	8	8	.....	.....
Chippewa	53	42	2	9					
Clare	62	45	3	14	Muskegon	93	73	5	15
Clinton	129	107	7	15	Newaygo	117	102	3	12
Crawford	24	19	1	4	Oakland	205	194	.....	11
					Oceana	90	86	1	3
Delta	31	27	1	3	Ogemaw	46	37	.....	9
Dickinson	8	8	.....	.....					
Eaton	146	127	6	13	Ontonagon	9	9	.....	.....
Emmet	74	65	3	6	Osceola	93	84	2	7
Genesee	157	138	6	13	Oscoda	15	8	1	6
					Otsego	36	32	.....	4
Gladwin	45	37	4	4	Ottawa	123	112	2	9
Gogebic	7	7	.....	.....					
Grand Traverse	68	58	2	8	Presque Isle	35	30	1	4
Gratiot	133	118	4	11	Roscommon	21	18	.....	3
Hillsdale	163	133	3	27	Saginaw	164	144	4	16
					St. Clair	155	128	3	24
Houghton	34	30	.....	4	St. Joseph	123	94	8	21
Huron	117	106	2	9					
Ingham	137	117	2	18	Sanilac	154	135	5	14
Ionia	142	121	7	14	Schoolcraft	11	10	.....	1
Iosco	36	27	1	2	Shiawassee	124	124	.....	.....
					Tuscola	149	130	.....	19
Iron	8	8	.....	.....					
Isabella	105	99	4	2	Van Buren	153	141	4	8
Jackson	156	125	11	20	Washtenaw	167	134	4	29
Kalamazoo	136	119	4	13	Wayne	154	139	3	12
Kalkaska	51	43	1	7	Wexford	82	77	.....	5

TABLE XVI.

Graded school statistics compiled from inspectors'

Districts.	Counties.	Number of children between 5 and 20 years.	Number of children that attended school during the year.	Number of days' school.	Percentage of attendance.	Estimated valuation of school property.	Total indebtedness.	Number of teachers employed.	
								Men.	Women.
Totals		426,890	301,453	109,659	81	$20,309,311	$3,273,405 84	975	6,807
Ada	Kent	108	96	180	83	$3,000		2	2
Addison	Lenawee	187	170	178	92	14,000	$10,308 00	3	3
Adrian	Lenawee	2,555	1,705	200	93	156,000	2,000 00	4	43
Alabaster	Iosco	130	130	180	80	2,500			2
Alanson	Emmet	226	223	180	58	4,000	450 00	1	4
Alba	Antrim	165	157	180	78	6,000	350 00	2	2
Albert Tp	Montmorency	317	294	144	90	6,000		1	8
Albion	Calhoun	1,503	1,095	190	92	75,000		4	24
Alden	Antrim	149	133	200	60	4,000	1,150 00	1	2
Algonac	St. Clair	462	351	180	73	13,000	2,000 00	1	9
Allegan	Allegan	742	655	190	91	50,000	6,572 00	3	20
Allen	Hillsdale	90	68	180	85	5,000		1	2
Alma	Gratiot	588	656	180	94	35,000	20,000 00	1	14
Almont	Lapeer	238	196	199	92	13,500	750 00	1	8
Alpena	Alpena	4,113	2,152	190	93	90,000		4	41
Ann Arbor	Washtenaw	3,276	2,300	200	96	250,000	39,000 00	9	66
Applegate	Sanilac	83	67	180	61	1,500			1
Arcadia	Manistee	184	88	180	67	2,000		1	1
Armada	Macomb	256	180	180	93	12,000	1,000 00	1	5
Ashley	Gratiot	222	150	180	66	2,500		1	2
Athens	Calhoun	180	149	180	87	3,500		1	6
Atlantic Mine	Houghton	2,118	1,413	200	80	70,000	5,833 81	7	27
Attica	Lapeer	104	96	200	91	1,200		1	1
Au Gres	Arenac	156	94	196	82	3,000	2,000 00	1	1
Augusta	Kalamazoo	167	140	180	93	6,000		2	4
Au Sable	Iosco	538	426	200	85	7,000		2	7
Bad Axe	Huron	553	446	192	91	20,000	6,000 00	1	10
Bainbridge	Berrien	124	101	160	56	2,000		1	1
Baldwin	Lake	154	124	180	80	1,200	1,559 91	1	2
Bancroft	Shiawassee	182	129	200	98	8,000		1	4
Bangor	Van Buren	366	348	190	93	25,000	12,000 00	3	5
Baraga	Baraga	980	575	200	56	16,300		2	13
Bark River Tp.	Delta	126	92	200	59	2,000			2
Baroda	Berrien	177	134	160	67	6,000		1	2
Barryton	Mecosta	181	135	190	79	6,000	2,000 00	3	3
Bath	Clinton	87	68	180	81	3,000		1	1
Battle Creek	Calhoun	4,494	3,807	191	95	385,000		10	92
Bay City	Bay	13,966	7,138	189	97	541,500	107,000 00	17	214
Bay Port	Huron	113	96	200	70	2,000		1	1
Bear Lake	Manistee	171	157	180	83	6,000	2,750 00	1	2
Beaverton	Gladwin	333	344	200	62	4,980	43 48	3	5
Belding	Ionia	823	695	200	91	16,000	1,500 00	1	19
Bellaire	Antrim	450	400	180	92	7,500		1	10
Belleville	Wayne	162	134	200	88	11,500	4,000 00	1	2
Bellevue	Eaton	258	205	190	94	6,000		1	6
Benton Harbor	Berrien	2,015	1,612	180	96	70,000	18,000 00	4	33
Benzonia	Benzie	227	166	180	84	6,000	800 00	1	4
Berlamont	Van Buren	104	78	177	69	1,500		1	2
Berlin	Ottawa	141	126	180	91	2,500		1	2
Berlin Tp., 3 fr	Ionia	79	61	170	50	700		1	
Berrien Springs	Berrien	188	158	180	95	7,000		1	5
Bessemer	Gogebic	1,156	921	200	93	43,000		2	28
Big Rapids	Mecosta	1,242	978	200	96	40,000		2	25
Birmingham	Oakland	364	362	200	92	20,000	6,000 00	1	9

TABLE XVI.

reports for the year ending July 10, 1905.

Aggregate number of months taught by all teachers.		Total wages of teachers for the year.		Average monthly wages of teachers.		Amount paid for superintendence and instruction.	Total cost of school.	Number of non-resident pupils.	Tuition of non-resident pupils.
Men.	Women.	Men.	Women.	Men.	Women.				
9,060.4	64,980.	$793,962 82	$3,192,712 10	$87 63	$49 13	$3,986,146 42	$6,792,837 85	10,012	$94,601 11
9	18	$490 00	$522 00	$54 44	$29 00	$1,012 00	$1,856 82	13	$81 82
20.7	24	1,346 25	810 00	64 87	33 75	2,156 25	11,125 68	22	201 25
40	430	4,400 00	19,330 50	110 00	44 95	23,730 50	53,482 82	62	871 15
.....	18	.....	747 00	.....	41 50	747 00	1,093 75	.....	.....
9	32	495 00	1,095 00	55 00	34 21	1,590 00	2,359 26	3	11 50
18	18	945 00	630 00	52 50	35 00	1,575 00	2,114 20	2	6 00
10	58	650 00	1,990 00	65 00	34 31	2,640 00	4,050 69	.....	.....
38	228	3,900 00	9,985 35	102 63	43 79	13,885 35	20,702 65	45	768 82
10	20	500 00	700 00	50 00	35 00	1,200 00	1,598 79	1	9 75
9	72	1,000 00	2,847 50	111 11	39 55	3,847 50	5,938 91	10	68 25
26	165.5	2,544 64	6,819 42	97 87	41 20	9,364 06	15,019 32	32	248 50
9	18	540 00	495 00	60 00	26 38	1,035 00	1,528 56	12	56 00
9.5	133	1,200 00	5,714 47	126 31	42 96	6,914 47	12,210 07	38	193 00
10	59.5	750 00	2,069 50	75 00	34 78	2,819 50	3,441 90	28	307 51
40	410	3,700 00	17,623 78	92 50	42 98	21,323 78	33,311 18	.....	.....
90	640	14,200 00	33,665 40	157 78	52 60	47 865 40	81,461 82	204	5,059 27
.....	9	.....	360 00	.....	40 00	360 00	543 57	.....	.....
9	9	450 00	360 00	50 00	40 00	810 00	952 21	.....	.....
9	45	750 00	1,542 00	83 33	34 26	2,292 00	3,100 88	49	501 77
9	18	450 00	630 00	50 00	35 00	1,080 00	1,375 13	4	.....
9	35.5	600 00	1,267 00	66 66	35 69	1,867 00	2,148 58	22	146 65
70	259.7	5,940 00	13,217 00	84 85	50 88	19,157 00	28,222 21	7	.....
10	10	450 00	250 00	45 00	25 00	700 00	806 69	7	36 37
10	10	550 00	400 00	55 00	40 00	950 00	1,812 05	.....	.....
18	36	1,065 00	1,440 00	59 16	40 00	2,505 00	3,381 88	19	170 75
20	70	1,143 25	2,242 85	57 16	32 04	3,386 10	4,934 49	13	4 00
10	100	800 00	3,850 00	80 00	38 50	4,650 00	6,954 41	28	298 61
8	8	320 00	276 25	40 00	34 53	596 25	673 54	.....	.....
9	18	495 00	540 00	55 00	30 00	1,035 00	1,559 91	.....	.....
10	40	800 00	1,400 00	80 00	35 00	2,200 00	3,094 80	30	226 25
28.5	47.5	1,682 50	1,814 50	59 03	38 20	3,497 00	5,561 37	58	430 70
18	102	1,560 00	5,190 00	86 66	50 88	6,750 00	12,170 88	.....	.....
.....	20	.....	800 00	.....	40 00	800 00	967 23	.....	.....
8	16	480 00	640 00	60 00	40 00	1,120 00	1,525 26	9	42 50
9	15	442 50	528 50	49 16	35 23	971 00	1,589 28	5	2 00
9	9	450 00	315 00	50 00	35 00	765 00	1,027 62	3	9 00
100	920	9,975 00	45,211 00	99 75	49 14	55,186 00	147,290 41	74	955 02
170	2,140	17,368 50	77,505 57	102 17	36 21	94,874 07	184,971 88	82	1,190 99
10	10	500 00	300 00	50 00	30 00	800 00	1,066 13	.....	.....
9	18	600 00	697 50	66 66	38 75	1,297 50	5,036 82	13	69 50
27	43	1,281 00	1,675 00	47 44	38 95	2,956 00	3,668 61	10	36 50
10	190	1,200 00	6,507 50	120 00	34 25	7,707 50	10,370 08	34	423 20
9	70.5	675 00	2,926 00	75 00	41 50	3,601 00	4,490 31	7	.....
10	20	650 00	800 00	65 00	40 00	1,450 00	2,150 73	15	111 25
9.5	57	800 00	2,052 00	84 21	36 00	2,852 00	3,703 61	13	131 53
36	297	3,790 00	12,477 50	105 28	42 01	16,267 50	24,108 90	48	602 90
9	36	700 00	1,372 50	77 78	38 12	2,072 50	3,653 42	2	.....
3	15	120 00	570 00	40 00	38 00	690 00	888 79	5	19 50
9	18	540 00	553 50	60 00	30 75	1,093 50	1,429 66	16	92 50
8.5	.....	297 50	.....	35 00	.....	297 50	331 55	.....	.....
9	45	800 00	1,620 00	88 88	36 00	2,420 00	3,071 25	26	261 00
20	280	1,850 00	14,420 00	92 50	51 50	16,270 00	24,914 55	10	240 00
20	250	1,775 00	11,359 77	88 75	45 44	13,134 77	17,869 84	15	115 38
10	80	1,000 00	3,267 50	100 00	40 84	4,267 50	6,202 58	4	00

TABLE XVI—CONTINUED.

Districts.	Counties.	Number of children between 5 and 20 years.	Number of children that attended school during the year.	Number of days' school.	Percentage of attendance.	Estimated valuation of school property.	Total indebtedness.	Number of teachers employed.	
								Men.	Women.
Blissfield Tp. 1 fr.	Lenawee	182	156	200	82	$7,000		1	3
Blissfield Tp. 2 fr.	Lenawee	228	226	200	94	5,000	$25,000 00	1	4
Bloomingdale	Van Buren	160	150	180	81	6,000		1	3
Boyne	Charlevoix	918	700	180	91	35,000	20,500 00	1	15
Boyne Falls	Charlevoix	219	166	180	69	5,000	3,500 00	1	3
Breckenridge	Gratiot	158	134	180	86	4,500	2,500 00	1	3
Breedsville	Van Buren	94	68	180	80	9,000	6,100 00	1	1
Bridgehampton Tp. 1	Sanilac	70	54	180	44	600			1
Bridgehampton Tp. 2	Sanilac	94	65	200	52	1,600		1	
Bridgehampton Tp. 5 fr.	Sanilac	76	48	180	44	800			1
Bridgeman	Berrien	161	99	160	66	1,000		1	
Bridgeport	Saginaw	130	89	180	78	5,000		1	1
Brighton	Livingston	202	182	198	92	16,000		1	5
Britton	Lenawee	127	97	180	85	9,000	3,450 00	1	2
Bronson	Branch	285	240	190	85	15,000	5,000 00	1	8
Brooklyn	Jackson	145	135	189	85	5,000		1	4
Brown City	Sanilac	225	188	200	80	8,000	5,000 00	1	3
Buchanan	Berrien	412	341	185	90	60,000	3,500 00	2	11
Burden	Sanilac	192	85	200	59	1,800		1	
Burlington	Calhoun	86	85	175	78	1,200		2	2
Burnip's Corners	Allegan	108	82	170	91	2,000		1	1
Burr Oak	St. Joseph	157	128	180	85	18,000		1	7
Burt Tp	Alger	523	406	200	73	7,200	3,950 00	1	9
Byron	Shiawassee	117	106	200	85	7,000		1	4
Cadillac	Wexford	1,919	1,787	180	94	80,000	8,000 00	1	36
Cady	Macomb	146	40	180	50	1,000		1	
Caledonia	Kent	162	152	200	83	6,000		2	2
Caledonia Tp. 3	Kent	53	45	180	59	2,000			1
Calumet	Houghton	8,311	5,809	200	95	55,000		7	140
Calumet Tp. 2	Houghton	1,389	1,075	200	87	23,276		1	21
Camden	Hillsdale	122	102	180	84	8,000	2,700 00	1	3
Cannon Tp. 2 fr.	Kent	71	61	180	78	1,500		1	1
Capac	St. Clair	247	212	200	86	10,000	160 13	2	4
Carleton	Monroe	171	144	200	87	3,200		1	3
Caro	Tuscola	565	442	193	99	20,000		3	14
Carrollton Tp. 1	Saginaw	441	280	200	64	12,000		1	5
Carrollton Tp. 2	Saginaw	293	117	200	74	4,000	245 00	1	2
Carson City	Montcalm	302	287	190	80	15,000	7,000 00	1	8
Carsonville	Sanilac	207	178	200	53	4,000	1,000 00	1	2
Caseville	Huron	243	180	200	89	6,000		1	2
Casnovia	Muskegon	104	86	180	83	2,500		1	2
Cass City	Tuscola	451	404	200	88	7,000		1	9
Cassopolis	Cass	296	285	190	93	18,000		1	8
Cedar Springs	Kent	259	244	190	85	20,000		3	6
Central Lake	Antrim	370	361	176	90	18,000	1,000 00	1	7
Centreville	St. Joseph	164	137	180	87	15,000		1	6
Cresco	Calhoun	65	58	180	70	1,200		1	1
Champion Tp	Marquette	560	401	200	73	12,000		1	8
Chandler Tp. 5 fr	Huron	190	114	180	49	1,500			2
Charlevoix	Charlevoix	690	653	179	96	42,000	28,000 00	2	19
Charlotte	Eaton	950	931	195	96	45,000		1	25
Charlton Tp	Otsego	135	110	134	61	6,000	4,000 00	2	4
Chase	Lake	113	88	180	52	1,500		1	1
Chauvin	Wayne	282	200	200	51	13,591	8,000 00	1	3
Cheboygan	Cheboygan	2,281	1,456	200	92	68,000	34,000 00	2	26
Chelsea	Washtenaw	483	432	200	89	15,000	200 00	1	14
Chesaning	Saginaw	340	301	200	91	17,000		1	7
Chickaming Tp. 3	Berrien	90	51	180	77	1,600		1	1
China Tp. 4	St. Clair	116	84	180	71	1,200		1	1

TABLE XVI.—CONTINUED.

Aggregate number of months taught by all teachers.		Total wages of teachers for the year.		Average monthly wages of teachers.		Amount paid for superintendence and instruction.	Total cost of school.	Number of non-resident pupils.	Tuition of non-resident pupils.
Men.	Women.	Men.	Women.	Men.	Women.				
10	30	$700 00	$900 00	$70 00	$30 00	$1,600 00	$2,255 26	36	$172 67
10	40	750 00	1,450 00	75 00	36 25	2,200 00	3,073 99	19	93 00
9	27	630 00	945 00	70 00	35 00	1,575 00	2,197 58	13	118 50
9	119	999 97	4,543 25	111 10	38 17	5,543 22	9,540 93	10	119 38
9	27	450 00	1,035 00	50 00	38 33	1,485 00	2,330 70	6	.....
9	27	445 00	885 00	49 44	32 77	1,330 00	1,771 74	23	149 60
9	9	450 00	315 00	50 00	35 00	765 00	3,114 51	4	2 50
.....	9	.....	315 00	.....	35 00	315 00	583 44	2	.....
10	.....	450 00	.....	45 00	.....	450 00	679 75	2	.....
.....	9	.....	360 00	.....	40 00	360 00	473 44	2	.....
8	.....	400 00	.....	50 00	.....	400 00	643 53	.....	.....
9	9	500 00	315 00	55 55	35 00	815 00	974 14	6	28 25
10	50	850 00	1,590 00	85 00	31 80	2,440 00	3,495 67	22	226 50
9	18	567 00	630 00	63 00	35 00	1,197 00	5,401 07	9	79 20
9.5	65.5	712 50	2,522 49	75 00	38 51	3,234 99	4,499 24	23	170 69
9.5	38	800 00	1,625 00	84 21	42 76	2,425 00	2,917 01	26	252 82
10	30	650 00	1,060 00	65 00	35 33	1,710 00	2,511 11	28	177 13
19	104.5	1,545 00	4,444 89	81 31	42 53	5,989 89	12,556 98	39	277 88
10	.....	450 00	.....	45 00	.....	450 00	630 24	.....	.....
14	13	555 00	361 11	39 64	27 77	916 11	1,155 61	9	35 51
9	9	450 00	315 00	50 00	35 00	765 00	921 69	12	100 10
9	54	585 00	1,792 89	65 00	33 20	2,377 89	3,216 71	20	316 40
10	88	1,100 00	4,350 00	110 00	49 43	5,450 00	9,471 70	.....	.....
10	30	650 00	975 00	65 00	32 50	1,625 00	2,228 57	27	120 00
9	324	1,250 00	15,989 82	138 89	49 35	17,239 82	23,878 69	12	49 00
9	.....	405 00	.....	45 00	.....	405 00	599 49	6	.....
20	20	1,120 00	680 00	56 00	34 00	1,800 00	2,558 54	37	332 01
.....	9	.....	360 00	.....	40 00	360 00	437 79	.....	.....
70	1,392	9,520 00	77,953 07	136 00	56 00	87,473 07	130,712 24	45	1,521 00
10	207	697 00	12,315 01	69 70	59 49	13,012 01	21,566 12	.....	.....
9	27	500 00	860 00	55 55	31 85	1,360 00	2,464 35	12	101 00
9	9	382 50	225 00	43 61	25 00	607 50	797 40	8	30 67
20	30	1,050 00	900 00	52 50	30 00	1,950 00	2,937 15	26	299 12
10	30	600 00	850 00	60 00	28 33	1,450 00	1,920 28	26	138 75
30	125.7	2,350 00	4,919 00	78 33	39 14	7,269 00	10,584 63	71	480 50
10	50	750 00	1,580 00	75 00	31 60	2,330 00	4,466 23	2	.....
10	20	600 00	750 00	60 00	37 50	1,350 00	2,428 36	.....	.....
9.5	57	800 00	2,342 50	84 21	41 09	3,142 50	5,216 44	26	349 33
10	20	600 00	600 00	60 00	30 00	1,200 00	2,556 61	4	6 00
10	20	700 00	800 00	70 00	40 00	1,500 00	3,363 71	1	.....
9	18	585 00	585 00	65 00	32 50	1,170 00	1,499 63	20	216 75
10	87	900 00	3,240 85	90 00	37 25	4,140 85	5,314 56	53	480 29
9.5	76	1,000 00	2,945 00	105 26	38 75	3,945 00	4,993 16	18	170 40
7.8	48	631 85	2,373 75	81 52	49 45	3,005 60	4,526 97	34	363 43
9	63	900 00	2,475 00	100 00	39 28	3,375 00	4,804 82	16	101 33
9	45	800 00	1,755 00	88 88	39 00	2,555 00	3,252 41	9	117 00
9	9	360 00	225 00	40 00	25 00	585 00	765 20	1	3 50
10	80	1,400 00	4,156 00	140 00	51 95	5,556 00	9,308 12	.....	.....
.....	17	.....	568 00	.....	33 41	568 00	748 25	.....	.....
18	162	1,450 08	7,185 06	80 56	44 35	8,635 14	15,459 33	23	79 00
9.7	238.8	1,500 00	11,331 50	154 63	47 45	12,831 50	17,769 25	83	1,183 33
13	25	805 00	763 75	61 92	30 55	1,568 75	3,675 07	3	.....
9	9	410 00	315 00	45 55	35 00	725 00	1,106 37	2	.....
10	27	750 00	1,180 00	75 00	43 70	1,930 00	4,133 85	.....	.....
20	260	2,700 00	9,939 50	135 00	38 23	12,639 50	29,777 45	12	127 88
10	140	1,000 00	4,640 00	100 00	33 14	5,640 00	7,686 59	33	408 60
10	70	1,180 00	2,902 00	118 00	41 46	4,082 00	7,040 33	34	280 67
8	9	360 00	270 00	45 00	30 00	630 00	764 49	.....	.....
9	9	405 00	270 00	45 00	30 00	675 00	870 12	.....	.....

TABLE XVI.—CONTINUED.

Districts.	Counties.	Number of children between 5 and 20 years.	Number of children that attended school during the year.	Number of days' school.	Percentage of attendance.	Estimated valuation of school property.	Total indebtedness.	Number of teachers employed.	
								Men.	Women.
Clare	Clare	492	347	200	89	$25,000	$2,000 00	2	9
Clarkston	Oakland	150	122	200	77	4,000		1	3
Clarksville	Ionia	113	97	180	89	4,000		1	2
Clayton	Lenawee	98	98	180	72	1,500		1	2
Climax	Kalamazoo	142	110	180	89	5,000		1	4
Clinton	Lenawee	245	217	190	84	1,000	15,000 00	1	7
Clio	Genesee	109	144	198	83	7,000		1	5
Coldwater	Branch	1,236	1,116	185	83	100,000	1,000 00	4	27
Coleman	Midland	437	416	200	69	15,000		2	6
Coloma	Berrien	219	204	180	89	10,000	2,075 00	1	5
Colon	St. Joseph	221	184	180	80	3,000		1	6
Columbiaville	Lapeer	152	126	200	81	16,000		1	5
Comstock	Kalamazoo	107	73	180	60	3,000			2
Concord	Jackson	123	107	190	87	9,000		2	3
Conklin	Ottawa	93	75	180	73	1,200			2
Constantine	St. Joseph	273	235	200	89	25,000		1	8
Coopersville	Ottawa	210	168	190	93	5,000		1	4
Copemish	Manistee	131	92	180	91	2,100		1	3
Coral	Montcalm	159	126	180	87	3,000		1	2
Corunna	Shiawassee	428	368	200	96	31,500	2,000 00	1	12
Covert	Van Buren	206	166	180	80	3,000		1	4
Croswell	Sanilac	373	299	200	92	7,000	1,500 00	1	6
Crystal	Montcalm	105	92	180	93	4,000		1	1
Crystal Falls	Iron	1,191	957	200	94	35,000	52,000 00	1	23
Custer	Mason	128	112	180	65	2,000		1	1
Dansville	Ingham	101	96	200	95	4,000	50 00	2	2
Davison	Genesee	215	145	200	61	10,000	300 00	2	4
Dearborn	Wayne	354	277	200	92	20,000		1	6
Decatur	Van Buren	359	324	190	81	15,000	383 42	2	6
Deckerville	Sanilac	184	146	200	68	8,000	5,000 00	1	2
Deerfield	Lenawee	181	170	175	74	8,000	129 08	1	4
Delray	Wayne	1,755	1,420	200	90	250,000	175,000 00	5	35
Detour	Chippewa	372	329	180	59	4,800	561 27	1	6
Detroit	Wayne	87,737	56,163	200	95	3,894,965		73	996
DeWitt	Clinton	103	85	180	58	3,500		1	1
Dexter	Washtenaw	270	221	180	94	20,000	4,000 00	1	7
Dimondale	Eaton	112	71	180	80	2,200		1	2
Dorr	Allegan	109	84	180	55	1,000			2
Douglas	Allegan	184	128	176	88	4,500		1	2
Dowagiac	Cass	1,190	1,033	195	95	75,000	52,900 00	4	22
Downington	Sanilac	87	72	200	64	3,000			1
Drenthe	Ottawa	98	72	180	76	2,500		1	1
Dryden	Lapeer	107	102	197	87	2,000		1	2
Dundee	Monroe	324	268	180	72	25,000		1	8
Durand	Shiawassee	427	540	196	95	20,000	3,500 00	3	10
Eagle Harbor Tp.	Keweenaw	57	38	180	76	3,000		2	
East Grand Rapids	Kent	136	104	200	68	4,000	2,500 00	1	4
East Jordan	Charlevoix	702	636	180	93	19,500	3,800 00	3	12
Eastlake	Manistee	737	343	200	93	6,500		1	6
East Tawas	Iosco	558	486	185	96	300		1	9
Eaton Rapids	Eaton	476	402	195	92	17,000		2	12
Eau Claire	Berrien	142	124	180	70	6,000		1	3
Ecorse Tp. 1	Wayne	402	277	200	67	15,000	5,356 00	1	5
Ecorse Tp. 3	Wayne	260	189	200	74	10,000		1	4
Edenville	Midland	122	80	180	61	1,500	800 00	1	1
Edmore	Montcalm	270	254	190	69	3,000		1	5
Edwardsburg	Cass	93	80	180	93	3,000		1	3
Elk Rapids	Antrim	508	484	176	87	30,000	10,000 00	2	14
Elkton	Huron	307	244	200	80	8,000	5,400 00	1	5
Elk Tp. 4 fr.	Sanilac	107	73	200	53	1,000		1	

TABLE XVI.—CONTINUED.

Aggregate number of months taught by all teachers.		Total wages of teachers for the year.		Average monthly wages of teachers.		Amount paid for superintendence and instruction.	Total cost of school.	Number of non-resident pupils.	Tuition of non-resident pupils.
Men.	Women.	Men.	Women.	Men.	Women.				
20	90	$1,175 00	$3,156 25	$58 75	$35 07	$4,331 25	$5,528 08	15	$116 46
10	30	850 00	1,150 00	85 00	38 33	2,000 00	2,799 52	17	205 67
9	18	585 00	630 00	65 00	35 00	1,215 00	1,569 31	3	19 70
9	18	600 00	495 00	66 66	27 50	1,095 00	1,472 57	14	71 00
9	27	450 00	930 00	50 00	34 44	1,380 00	1,885 32	14	98 65
9.5	57	800 00	2,223 00	84 21	39 00	3,023 00	4,035 85	23	215 13
10	50	700 00	1,940 00	70 00	38 80	2,640 00	3,375 26	35	351 06
40	270	3,400 00	11,909 75	86 50	44 11	15,309 75	21,212 09	30	261 95
20	60	1,200 00	2,250 00	60 00	37 50	3,450 00	5,887 24	13	77 00
9	45	630 00	1,440 00	70 00	32 00	2,070 00	3,232 07	23	226 89
9	54	700 00	2,115 00	77 77	39 16	2,815 00	4,045 44	13	135 25
10	40	600 00	1,200 00	60 00	30 00	1,800 00	2,862 94	21	109 36
.....	18	.....	585 00	.....	32 50	585 00	937 90	7	13 30
19	28.5	1,105 00	1,027 50	58 15	36 05	2,132 50	2,907 52	32	266 48
.....	18	.....	585 00	.....	32 50	585 00	617 01	4	8 50
10	70	1,100 00	2,650 00	110 00	37 86	3,750 00	5,011 18	32	361 33
9.5	38	600 00	1,330 00	63 16	35 00	1,930 00	2,411 82	22	205 21
1	26	50 00	1,075 00	50 00	41 34	1,125 00	1,495 30	.....	.....
9	18	405 00	540 00	45 00	30 00	945 00	1,557 41	12	54 00
10	120	1,200 00	4,280 00	120 00	35 67	5,480 00	9,294 73	34	252 50
9	27	540 00	918 00	60 00	34 00	1,458 00	2,784 52	25	68 50
10	60	800 00	2,331 40	80 00	38 85	3,131 40	4,327 38	15	120 00
9	9	585 00	270 00	65 00	30 00	855 00	1,196 55	10	56 00
10	230	1,550 00	12,129 25	155 00	52 73	13,679 25	21,874 11	.....	.....
9	9	540 00	315 00	60 00	35 00	855 00	1,047 03	.....	.....
20	20	1,030 00	630 00	51 50	31 50	1,600 00	2,507 36	17	141 50
20	40	925 00	1,325 00	46 25	33 12	2,250 00	3,091 20	37	296 70
10	60	750 00	1,900 00	75 00	31 67	2,650 00	3,576 80	9	51 00
19	57	1,380 00	2,122 00	72 63	37 22	3,502 00	6,429 13	36	288 00
9	20	585 00	675 00	65 00	33 75	1,260 00	1,940 54	13	93 00
9	36	630 00	1,170 00	70 00	32 50	1,800 00	2,919 36	17	91 35
49	349	4,690 00	17,557 34	95 71	50 31	22,247 34	45,778 13	10	37 00
10	57	700 00	2,185 00	70 00	38 33	2,885 00	4,170 72	3	.....
730	9,900	99,525 00	699,659 58	136 33	70 25	799,184 58	1,152,780 14	147	.....
9	9	495 00	315 00	55 00	35 00	810 00	1,462 68	4	25 00
9	63	765 00	2,205 00	85 00	35 00	2,970 00	3,956 16	22	285 00
9	18	495 00	675 00	55 00	37 50	1,170 00	1,575 45	14	128 25
.....	18	.....	675 00	.....	41 94	675 00	944 61	.....	.....
9	18	540 00	720 00	60 00	40 00	1,260 00	1,760 66	.....	.....
40	220	3,225 00	8,946 25	80 62	40 66	12,171 25	19,314 77	45	489 01
.....	10	.....	500 00	.....	50 00	500 00	668 73	6	15 00
9	9	405 00	297 00	45 00	33 00	702 00	984 18	.....	.....
10	20	650 00	650 00	65 00	32 50	1,200 00	1,[illegible] 22	15	69 45
9	72	750 00	2,637 50	83 33	36 63	3,387 50	4,[illegible] 22	22	232 65
30	100	2,030 00	3,680 00	67 67	36 80	5,710 00	[illegible] 22	22	189 21
18	.....	1,170 00	.....	65 00	.....	1,170 00			
7	23	350 00	765 00	50 00	33 26	1,115 00		3	14 [illegible]
24	101	1,680 00	3,705 00	70 00	36 68	5,385 00		26	
10	60	750 00	2,700 00	75 00	45 00	3,450 00			
9	81	850 05	2,925 00	94 45	36 11	3,775 05			
19.5	117	1,550 00	4,737 40	79 48	40 49	6			
9	27	600 00	990 00	66 66	36 66	1			
10	50	750 00	1,800 00	75 00	36 00				
10	40	625 00	1,600 00	62 50	40 00				
9	9	405 00	297 00	45 00	33 00				
9.5	38	600 00	1,330 00	63 15	35 00				
9	27	495 00	930 00	55 00	34 44				
18	117	1,300 00	5,347 50	72 22	45 [illegible]				
10	40	800 00	1,230 00	80 00	30				
10	.....	450 00	.....	45 00	.....				

TABLE XVI.—CONTINUED.

Districts.	Counties.	Number of children between 5 and 20 years.	Number of children that attended school during the year.	Number of days' school.	Percentage of attendance.	Estimated valuation of school property.	Total indebtedness.	Number of teachers employed.	
								Men.	Women.
Elm Hall	Gratiot	106	90	185	60	$2,500		1	1
Elmira	Otsego	171	125	180	74	1,000		2	1
Elm River Tp	Houghton	91	73	199	90			1	4
Elsie	Clinton	205	186	190	84	25,000	$12,000 00		5
Empire	Leelanau	235	183	180	72	5,000		1	3
Erie	Monroe	162	126	180	62	4,000		2	1
Escanaba	Delta	3,715	2,425	195	95	115,000	56,500 00	4	47
Essexville	Bay	550	187	200	92	7,000		1	4
Estey	Gladwin	117	88	180	47	1,500			2
Evangeline Tp. 7	Charlevoix	163	137	180	72	3,500	2,500 00		3
Evart	Osceola	466	387	190	93	15,000	3,500 00	2	11
Farmington	Oakland	178	148	200	91	5,000		1	4
Farwell	Clare	270	210	180	66	3,300		1	4
Fennville	Allegan	247	203	180	91	4,000		1	4
Fenton	Genesee	577	609	200	94	60,000	2,862 59	2	13
Ferrysburg	Ottawa	165	100	180	77	1,000		1	1
Fife Lake	Grand Traverse	135	125	170	88	4,000		1	2
Fillmore Tp. 1	Allegan	153	108	180	73	2,000		1	1
Fillmore Tp. 2	Allegan	164	124	180	82	2,200		1	1
Fillmore Tp. 3	Allegan	88	60	180	70	800			2
Flat Rock	Wayne	151	137	200	86	12,000	600 00	1	4
Flint	Genesee	3,570	2,969	200	94	300,000	77,000 00	4	70
Flushing	Genesee	215	176	200	91	10,000		2	4
Forest Grove	Ottawa	106	75	180	78	1,500		1	1
Forestville	Sanilac	108	27	180	70	1,200	50 14	1	1
Fostoria	Tuscola	117	93	200	44	3,000		1	2
Fowlerville	Livingston	296	197	200	81	10,000		1	8
Frankfort	Benzie	618	584	200	89	30,000	12,000 00	1	15
Fremont	Newaygo	444	347	199	94	12,000		2	10
Freeport	Barry	165	139	180	87	2,000		2	2
Frontier	Hillsdale	92	92	180	70	3,000		2	1
Fruitport	Muskegon	134	108	200	62	2,000		1	1
Gagetown	Tuscola	162	82	200	64	3,000		1	1
Gaines	Genesee	102	94	196	92	4,000		1	2
Galesburg	Kalamazoo	146	121	180	95	12,000		1	6
Galien	Berrien	175	143	178	87	5,000		1	3
Gaylord	Otsego	550	455	190	92	20,000	11,713 50	1	10
Gladstone	Delta	983	856	200	97	23,000	13,000 00	1	17
Gladwin	Gladwin	359	289	200	90	4,000	15,000 00	1	4
Gobleville	Van Buren	196	164	190	95	5,000		1	4
Goodrich	Genesee	76	76	200	83	2,000		1	1
Graafschap	Allegan	137	111	180	85	1,400			2
Grand Haven	Ottawa	1,594	1,162	200	97	90,000	30,000 00	2	29
Grand Junction	Van Buren	118	76	180	59	3,000		1	1
Grand Ledge, 9 fr	Eaton	257	235	192	88	20,000	8,076 00	2	9
Grand Ledge, 11 fr	Eaton	243	215	200	69	10,000		1	5
Grand Rapids	Kent	26,669	15,461	194	95	1,376,200	208,000 00	25	397
Grandville	Kent	227	194	200	82	10,000		1	4
Grant	Newaygo	111	104	180	72	1,500		1	1
Grass Lake	Jackson	195	178	200	93	10,000	1,150 00	2	5
Grattan	Kent	92	84	180	47	1,400		1	2
Grayling	Crawford	498	392	200	67	10,000		2	9
Greenville	Montcalm	925	818	200	70	33,000		3	19
Grindstone City	Huron	209	158	195	81	1,200		1	2
Grosse Isle	Wayne	190	116	200	62	9,000		1	3
Grosse Pointe Tp. 1	Wayne	296	124	200	54	12,000	13,000 00	1	2
Hadley	Lapeer	101	80	190	85	3,000		1	2
[illegible]	Macomb	179	135	200	31	3,200			2
[illegible]	Allegan	116	84	180	87	1,000		1	1
[illegible]ek Tp. 3	Wayne	137	84	200	68	2,50[illegible]			2

TABLE XVI.—CONTINUED.

Aggregate number of months taught by all teachers.		Total wages of teachers for the year.		Average monthly wages of teachers.		Amount paid for superintendence and instruction.	Total cost of school.	Number of non-resident pupils.	Tuition of non-resident pupils.
Men.	Women.	Men.	Women.	Men.	Women.				
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
9	9.3	$405 00	$277 50	$45 00	$30 00	$682 50	$882 95	1	$9 00
18	9	810 00	342 00	45 00	38 00	1,152 00	1,461 31	.....	.....
10	40	550 00	2,130 00	55 00	53 25	2,680 00	4,147 21	7	12 25
.....	47.5	.....	1,662 50	.....	35 00	1,662 50	3,764 97	32	227 60
9	27	700 00	945 00	77 77	35 00	1,645 00	2,201 24	.....	.....
18	9	810 00	270 00	45 00	30 00	1,080 00	1,631 30	3	.....
40	470	4,138 00	23,413 28	103 45	49 81	27,551 28	59,314 75	13	416 00
10	40	700 00	1,600 00	70 00	40 00	2,300 00	4,723 79	2	.....
.....	17	.....	610 00	.....	35 88	610 00	842 97	.....	.....
.....	20.5	.....	817 50	.....	39 87	817 50	1,524 08	1	.....
18.5	95	1,850 00	4,263 75	100 00	44 88	6,113 75	11,536 84	12	126 75
10	40	700 00	992 45	70 00	24 81	1,692 45	2,909 97	24	296 30
9	36	585 00	1,179 00	65 00	32 75	1,764 00	2,326 19	14	23 25
9	36	765 00	1,422 00	85 00	39 50	2,187 00	2,928 44	20	143 11
20	130	1,650 00	5,065 00	82 50	38 96	6,715 00	11,811 92	54	435 00
9	9	450 00	315 00	50 00	35 00	765 00	1,121 28	.....	.....
9	18	540 00	720 00	60 00	40 00	1,200 00	1,957 58	8	16 60
9	9	360 00	238 50	40 00	26 50	598 50	875 80	4	.....
9	9	450 00	315 00	50 00	35 00	765 00	1,008 71	6	.....
.....	16	.....	490 00	.....	30 62	490 00	788 40	.....	.....
10	39	700 00	1,463 00	70 00	37 51	2,163 00	2,438 44	16	127 95
40	700	4,050 00	32,051 87	101 25	45 79	36,101 87	85,127 61	92	1,547 11
20	40	1,500 00	1,350 00	75 00	33 75	2,850 00	3,826 69	28	269 85
9	9	495 00	270 00	55 00	30 00	765 00	917 75	2	10 50
9	4	432 00	120 00	48 00	30 00	552 00	745 29	.....	.....
10	20	500 00	600 00	50 00	30 00	1,100 00	1,328 56	15	106 65
10	68.5	800 00	2,382 44	80 00	34 78	3,182 44	3,959 60	44	489 84
10	128.7	1,100 00	4,953 92	110 00	38 49	6,053 92	9,238 50	4	.....
20	90	1,400 00	3,339 50	70 00	37 10	4,739 50	7,083 66	30	328 37
18	18	900 00	630 00	50 00	35 00	1,530 00	1,871 33	7	83 90
18	9	892 50	225 00	49 58	25 00	1,117 50	1,300 46	30	196 75
10	10	700 00	450 00	70 00	45 00	1,150 00	1,363 13	2	10 00
10	10	500 00	350 00	50 00	35 00	850 00	1,037 09	12	78 50
10	20	550 00	650 00	55 00	32 50	1,200 00	1,656 72	20	123 25
9	53	750 00	1,709 00	83 33	32 24	2,459 00	3,061 96	54	554 05
9	27	585 00	1,012 50	65 00	37 50	1,597 50	2,259 54	15	121 38
9.5	95	1,000 00	4,152 50	105 26	43 71	4,324 00	20,278 90	13	16 50
10	170	1,100 00	8,000 00	110 00	47 06	9,100 00	13,483 60	.....	.....
10	40	650 00	1,400 00	65 00	35 00	2,050 00	4,679 47	31	171 83
9.5	38	550 00	1,282 50	57 89	33 75	1,832 50	2,357 72	30	114 80
10	10	650 00	350 00	65 00	35 00	1,000 00	1,298 21	13	80 00
.....	18	.....	720 00	.....	40 00	720 00	950 17	11	.....
20	285	2,200 00	11,040 50	110 00	38 73	13,240 50	21,375 94	39	249 00
9	9	405 00	315 00	45 00	35 00	720 00	1,019 42	9	30 00
20	74.5	1,400 00	2,931 00	70 00	39 34	4,331 00	14,699 20	41	497 91
10	40	650 00	1,475 00	65 00	36 87	2,125 00	3,092 25	1	19 00
250	3,970	26,277 50	259,136 00	105 11	65 27	285,413 50	407,028 99	79	1,515 05
10	40	700 00	1,380 00	70 00	34 50	2,080 00	3,222 65	26	238 25
9	9	540 00	360 00	60 00	40 00	900 00	1,115 32	15	74 25
20	50	1,100 00	1,550 00	55 00	31 00	2,650 00	3,428 46	20	229 00
5	9	250 00	325 00	50 00	36 11	575 00	724 37	9	32 00
16	83.5	1,270 00	3,505 00	79 37	41 97	4,775 00	6,484 96	3	.....
30	190	2,550 00	7,750 00	85 00	40 79	10,300 00	14,645 98	42	987 24
10	20	600 00	700 00	60 00	35 00	1,300 00	1,733 28	.....	.....
10	30	600 00	1,250 00	60 00	41 67	1,850 00	2,478 13	.....	.....
10	20	550 00	700 00	55 00	35 00	1,250 00	2,649 61	.....	.....
9.5	19	600 00	570 00	63 15	30 00	1,170 00	1,580 65	29	211 40
.....	19	.....	760 00	.....	40 00	760 00	941 62	5	21 50
9	9	405 00	270 00	45 00	30 00	675 00	784 66	2	3 00
.....	20	.....	650 00	.....	32 50	650 00	1,174 79	8	.....

TABLE XVI—CONTINUED.

Districts.	Counties.	Number of children between 5 and 20 years.	Number of children that attended school during the year.	Number of days' school.	Percentage of attendance.	Estimated valuation of school property.	Total indebtedness.	Number of teachers employed.	
								Men.	Women.
Hancock	Houghton	1,965	1,442	198	97	$100,000	$12,000 00	4	22
Hanover	Jackson	108	98	200	96	6,000	.....	1	3
Harbor Beach	Huron	463	340	194	92	25,000	14,000 00	1	8
Harbor Springs	Emmet	518	336	180	90	1,600	8,000 00	1	9
Harrietta	Wexford	145	134	180	80	2,000	.....	1	2
Harrison	Clare	188	163	180	90	5,000	.....	2	2
Harrisville	Alcona	179	148	180	77	5,000	.....	1	3
Hart	Oceana	470	412	190	93	25,000	3,000 00	1	11
Hartford	Van Buren	350	303	180	89	15,000	12,270 00	1	8
Hastings	Barry	801	604	186	97	60,000	.....	3	20
Hersey	Osceola	149	111	200	88	3,500	.....	1	5
Hesperia	Newaygo	187	167	180	79	5,000	.....	1	6
Highland Park	Wayne	215	*141	200	58	24,500	18,000 00	1	4
Hillsdale	Hillsdale	1,110	985	190	96	90,000	30,600 00	2	24
Holland	Ottawa	2,562	1,817	188	93	85,000	18,000 00	3	37
Holland Tp. 3	Ottawa	145	108	200	96	2,000	.....	1	1
Holland Tp. 4	Ottawa	117	66	200	74	1,200	.....	.....	1
Holland Tp. 6	Ottawa	131	91	200	75	1,200	.....	.....	2
Holland Tp. 9	Ottawa	161	102	199	83	2 200	.....	1	1
Holland Tp. 11 fr	Ottawa	102	80	190	68	1,000	.....	1	.....
Holly	Oakland	428	326	200	82	15,000	.....	1	7
Holt	Ingham	110	90	180	70	2,500	.....	1	2
Holton	Muskegon	90	70	180	75	2,000	.....	.....	3
Homer	Calhoun	245	229	183	88	20,000	225 00	1	9
Honor	Benzie	158	150	180	65	3,700	.....	1	3
Hopkins Station	Allegan	118	89	180	86	2,000	.....	2	2
Horton	Jackson	68	64	190	94	5,000	.....	1	2
Houghton	Houghton	1,850	1,053	200	92	125,000	40,000 00	6	32
Howard City	Montcalm	428	342	190	72	8,000	.....	1	9
Howell	Livingston	591	507	200	95	35,000	.....	1	18
Hubbard Lake	Alpena	266	154	200	60	3,000	.....	.....	8
Hubbardston	Ionia	148	90	177	91	4,500	.....	1	2
Hudson	Lenawee	590	455	190	92	20,000	.....	2	14
Hudsonville	Ottawa	166	137	180	76	2,500	.....	1	2
Hume Tp. 1	Huron	84	81	192	45	800	.....	1	.....
Imlay City	Lapeer	392	361	200	91	8,000	.....	1	8
Ionia	Ionia	1,460	1,134	197	97	65,000	.....	2	30
Iron Mountain	Dickinson	3,284	2,587	190	95	190,000	36,000 00	7	56
Iron River	Iron	516	435	174	90	38,000	25,500 00	1	10
Ironwood	Gogebic	3,328	2,762	200	92	200,000	57,000 00	4	62
Islapeming	Marquette	3,894	3,220	190	88	200,000	54,500 00	5	68
Ithaca	Gratiot	583	495	190	93	30,000	6,000 00	1	12
Jackson	Jackson	5,804	3,774	196	96	175,000	33,000 00	6	93
Jamestown	Ottawa	158	130	180	88	2,000	96 83	1	1
Jennings	Missaukee	359	276	180	70	5,000	.....	.....	6
Jerome	Hillsdale	85	68	180	79	1,000	.....	1	1
Jonesville	Hillsdale	325	264	200	82	30,000	.....	1	8
Kalamazoo	Kalamazoo	7,189	5,404	185	93	600,000	138,000 00	10	123
Kalamazoo Tp. 6 fr.	Kalamazoo	90	49	180	86	2,400	.....	.....	2
Kalkaska	Kalkaska	392	389	176	65	25,000	12,057 13	1	10
Kendall	Van Buren	76	68	180	67	1,200	.....	2	1
Kilmanagh	Huron	212	115	185	69	2,000	.....	1	1
Kingsley	Grand Traverse	193	134	180	75	5,000	.....	1	2
Kingston	Tuscola	142	133	200	39	7,000	5,200 00	1	1
Kochville Tp. 6	Saginaw	110	70	180	83	1,500	.....	.....	2
Kraft	Wayne	687	394	200	67	20	000 00	1	10
sburg	Shiawassee	170	136	200	92	5	.....	2	3
Ann	Benzie	87	76	180	34		....	1	1
ity	Missaukee	245	245	180	75		00	2	8
nden	Houghton	1,822	880	200	82		...	2	26

TABLE XVI.—CONTINUED.

Aggregate number of months taught by all teachers.		Total wages of teachers for the year.		Average monthly wages of teachers.		Amount paid for superintendence and instruction.	Total cost of school.	Number of non-resident pupils.	Tuition of non-resident pupils.
Men.	Women.	Men.	Women.	Men.	Women.				
40	215	$4,400 00	$10,300 00	$110 00	$47 90	$14,700 00	$22,938 70	18	$714 00
10	30	600 00	1,075 00	60 00	35 83	1,675 00	2,243 63	40	412 80
10	80	1,100 00	2,925 00	110 00	36 56	4,025 00	5,690 14	11	100 25
9	81	925 00	3,429 00	102 77	42 33	4,354 00	5,392 39	12	51 25
9	18	450 00	630 00	50 00	35 00	1,080 00	2,060 28	5	.....
18	18	910 00	630 00	50 50	35 00	1,540 00	1,999 75	12	37 65
9	27	540 00	1,080 00	60 00	40 00	1,620 00	2,027 37	3	.....
9.5	104.5	925 00	3,869 50	97 36	37 03	4,794 50	7,558 42	52	324 65
9	72	900 00	2,583 00	100 00	35 87	3,483 00	4,442 81	53	487 88
27.9	181.6	2,700 00	9,055 15	96 77	49 85	11,755 15	20,618 15	40	545 65
10	30	600 00	1,047 00	60 00	34 90	1,647 00	2,115 39	10	41 00
7.3	37.7	471 25	1,400 75	65 00	37 10	1,872 00	2,393 94	20	200 96
10	30	900 00	1,550 00	90 00	51 67	2,450 00	4,532 76	12	131 82
19	228	2,200 00	9,182 70	115 79	40 27	11,382 70	39,047 60	69	825 18
30	370	3,190 00	14,940 38	106 33	40 38	18,130 38	27,040 24	36	366 07
10	10	575 00	300 00	57 50	30 00	875 00	1,764 24	.....	.....
.....	10	.....	370 00	.....	37 00	370 00	647 38	.....	.....
.....	19	.....	565 00	.....	29 73	565 00	743 67	.....	.....
10	10	450 00	280 00	45 00	28 00	730 00	954 17	.....	.....
9.5	.....	450 00	.....	47 37	.....	450 00	625 65	1	.....
10	70	1,000 00	2,610 00	100 00	37 28	3,610 00	4,982 07	27	333 88
9	18	405 00	522 00	45 00	29 00	927 00	1,233 79	7	32 50
.....	18	.....	630 00	.....	35 00	630 00	807 81	4	14 00
9.5	76	750 00	2,768 75	78 94	36 43	3,518 75	5,437 13	32	353 42
9	27	600 00	945 00	66 66	35 00	1,545 00	2,294 87	7	18 88
12	18	643 75	585 00	53 64	32 50	1,228 75	1,858 57	16	109 47
9.5	19	550 00	608 00	57 89	32 00	1,158 00	1,596 95	19	142 75
60	310.1	6,000 00	16,056 25	100 00	51 77	22,056 25	41,584 46	4	162 50
9.5	79	807 50	2,747 25	85 00	34 77	3,554 75	5,422 03	22	63 00
10	170	1,300 00	6,257 00	130 00	36 80	7,557 00	10,270 64	78	1,003 80
.....	36	.....	1,056 00	.....	29 33	1,056 00	1,653 85	.....	.....
9	18	585 00	630 00	65 00	35 00	1,215 00	1,764 70	15	99 15
19	133	1,850 00	4,710 00	97 36	35 41	6,560 00	9,519 23	39	503 48
9	18	450 00	585 00	50 00	32 50	1,035 00	2,019 06	8	16 00
10	.....	500 00	.....	50 00	.....	500 00	635 08	.....	.....
10	69	1,000 00	2,615 00	100 00	37 89	3,615 00	4,453 76	30	319 73
20	300	2,030 00	13,913 91	101 50	46 38	15,943 91	21,394 21	98	1,080 11
66.5	542	7,349 00	30,509 45	110 51	56 29	37,858 45	70,993 18	1	15 00
10	96	1,000 00	4,600 00	100 00	47 91	5,600 00	32,195 87	4	60 00
40	620	4,980 00	29,734 39	124 50	47 95	34,714 39	62,735 76	1	6 25
47.5	646	6,000 00	37,215 63	126 31	57 61	43,215 63	65,088 86	.....	.....
9.5	114	1,100 00	4,475 00	115 79	39 25	5,575 00	8,523 22	34	325 05
60	930	5,925 00	52,243 76	98 75	56 17	58,168 76	79,846 53	45	638 17
9	9	450 00	315 00	50 00	35 00	765 00	1,193 43	2	7 75
.....	54	.....	2,340 00	.....	43 33	2,340 00	3,112 30	.....	.....
9	9	360 00	225 00	40 00	25 00	585 00	1,017 25	.....	.....
10	80	1,000 00	2,830 00	100 00	35 37	3,830 00	5,252 60	42	354 26
100	1,243	10,595 00	59,000 19	105 95	47 46	69,595 19	256,042 14	50	994 88
.....	9	.....	582 00	.....	64 66	582 00	757 60	.....	.....
9	80.8	900 00	3,250 26	100 00	40 25	4,150 26	7,363 18	17	164 10
9	9	350 00	270 00	38 89	30 00	620 00	695 75	1	2 00
9	9.5	500 00	285 00	55 55	30 00	785 00	1,068 87	9	8 77
9	18	540 00	630 00	60 00	35 00	1,170 00	2,183 83	7	32 72
10	10	525 00	300 00	52 50	30 00	825 00	2,349 55	10	29 85
.....	18	.....	630 00	.....	35 00	630 00	791 77	4	15 34
10	80	825 00	3,001 50	82 50	37 77	3,826 50	6,653 09	11	41 82
20	30	1,200 00	975 00	60 00	32 50	2,175 00	2,758 33	17	149 58
9	9	450 00	360 00	50 00	40 00	810 00	1,030 84	.....	.....
5	48.5	285 00	1,893 00	57 00	39 03	2,178 00	16,904 84	14	92 96
20	244	2,500 00	13,895 50	125 00	56 94	16,395 50	25,742 99	16	340 00

TABLE XVI.—CONTINUED.

Districts.	Counties.	Number of children between 5 and 20 years.	Number of children that attended school during the year.	Number of days' school.	Percentage of attendance.	Estimated valuation of school property.	Total indebtedness.	Number of teachers employed.	
								Men.	Women.
Lake Odessa	Ionia	343	258	188	92	$11,000		2	8
Lakeview	Montcalm	319	318	190	75	3,000		1	9
L'Anse	Baraga	547	416	187	82	15,524		3	9
Lansing	Ingham	4,843	3,469	179	95	210,000		6	15
Lapeer	Lapeer	668	499	200	92	30,000		1	19
Lawrence	Van Buren	189	202	180	81	8,000		1	8
Lawton	Van Buren	235	206	180	94	9,000		2	5
Leitch	Sanilac	71	54	200	43	1,000			1
Leland	Leelanau	97	76	180	50	2,500		1	1
Lenox	Macomb	177	101	180	77	1,500			2
Leonard	Oakland	127	103	200	60	4,000		1	2
Le Roy	Osceola	187	127	180	91	5,000		1	4
Leslie	Ingham	248	189	200	80	10,000		1	5
Levering	Emmet	117	126	180	55	3,800	$2,575 00	1	2
Lexington	Sanilac	162	152	200	90	10,000		1	4
Lincoln Tp. 4	Berrien	120	75	140	74	4,000	900 00	1	2
Linden	Genesee	214	176	200	68	6,000		1	3
Lisbon	Ottawa	114	65	180	84	2,500		1	4
Litchfield	Hillsdale	164	114	180	82	10,000		1	4
Lowell	Kent	583	510	200	94	18,000	400 00	1	12
Lucas	Missaukee	144	114	174	61	1,100		1	1
Ludington	Mason	2,515	1,617	186	96	125,000	21,000 00	3	44
Luther	Lake	285	236	190	93	4,500		1	5
Lyons	Ionia	150	141	180	85	4,500		1	6
Mackinac Island	Mackinac	225	165	180	92	10,000		1	3
Mackinaw City	Cheboygan	209	155	167	84	6,000		1	3
Mancelona	Antrim	554	518	180	87	24,000	3,000 00	3	11
Manchester	Washtenaw	349	269	200	95	20,000		1	9
Manistee	Manistee	4,359	2,456	199	95	132,000	12,000 00	4	70
Manistique	Schoolcraft	1,521	1,012	200	94	70,000	12,000 00	5	25
Manton	Wexford	300	300	180	69	10,000	400 00	1	8
Maple Rapids	Clinton	150	128	200	92	3,000		2	2
Maple Ridge	Arenac	98	78	200	76	1,000	400 00	1	1
Marcellus	Cass	234	221	180	94	18,000		1	6
Marine City	St. Clair	1,197	639	200	90	59,000	22,000 00	2	15
Marion	Osceola	295	217	180	96	6,000		1	4
Marlette	Sanilac	367	324	200	86	16,000	8,000 00	2	7
Marquette	Marquette	3,218	1,994	187	95	291,000	95,500 00	5	49
Marshall	Calhoun	953	724	197	97	125,000	17,000 00	3	24
Martin	Allegan	134	113	190	90	5,000		1	3
Marysville	St. Clair	133	99	180	64	1,000		1	1
Mason	Ingham	423	406	200	93	40,000	27,588 50	2	13
Mattawan	Van Buren	112	92	180	83	6,000		1	1
Mayville	Tuscola	249	231	200	75	10,000	5,000 00	1	4
McBain	Missaukee	260	235	180	70	5,000		1	5
McBride	Montcalm	148	113	190	76	2,500		1	2
McMillan Tp	Luce	571	549	200	92	15,000		4	16
McMillan Tp	Ontonagon	189	188	180	69	6,000		1	8
Mecosta	Mecosta	162	145	180	60	2,500		1	2
Mellen Tp	Menominee	403	239	152	64	5,000		1	5
Memphis	Macomb	202	161	190	81	5,000		1	5
Mendon	St. Joseph	225	167	180	93	12,000		1	6
Menominee	Menominee	3,856	2,660	189	93	160,000	30,000 00	5	55
Mesick	Wexford	164	124	180	75	2,000	209		3
Metamora	Lapeer	99	99	200	82	1,500			2
Michigamme	Marquette	303	272	200	78	9,000			6
Middleton	Gratiot	146	121	180	84	2,500			1
Middleville	Barry	244	171	200	94	20,000			6
Midland	Midland	710	698	200	90	45,000			14
Milan	Washtenaw	334	290	180	88	20,000	11		8

TABLE XVI.—CONTINUED.

Aggregate number of months taught by all teachers.		Total wages of teachers for the year.		Average monthly wages of teachers.		Amount paid for superintendence and instruction.	Total cost of school.	Number of non-resident pupils.	Tuition of non-resident pupils.
Men.	Women.	Men.	Women.	Men.	Women.				
19	66.5	$1,260 00	$2,242 50	$66 31	$33 72	$3,502 50	$4,274 33	42	$332 50
9.5	66.5	1,000 00	2,297 00	105 26	34 54	3,297 00	4,290 36	26	200 71
30	85.6	2,600 00	4,099 50	86 66	47 89	6,699 50	12,133 56	.....	.....
57	750.5	6,112 50	41,245 50	107 23	54 95	47,358 00	82,751 47	59	724 34
10	190	1,150 00	8,000 00	115 00	42 10	9,150 00	13,491 11	35	520 50
9	54	900 00	1,800 00	100 00	33 33	2,700 00	3,651 02	39	350 65
9	45	800 00	1,620 00	88 89	36 00	2,420 00	3,596 65	45	268 00
.....	10	.....	330 00	.....	33 00	330 00	545 71	.....	.....
9	9	495 00	270 00	55 00	30 00	765 00	946 99	1	.....
.....	18	.....	675 00	.....	37 50	675 00	877 51	.....	.....
10	20	500 00	560 00	50 00	28 00	1,060 00	1,563 96	7	23 44
9	27	540 00	1,010 00	60 00	37 40	1,550 00	2,124 68	13	41 75
10	50	1,000 00	2,050 00	100 00	41 00	3,050 00	4,178 36	41	382 70
9	18	450 00	720 00	50 00	40 00	1,170 00	1,895 21	3	.....
10	40	700 00	1,425 00	70 00	35 62	2,125 00	2,864 00	13	67 70
7	7	400 00	235 00	57 14	33 57	635 00	789 67	.....	.....
10	30	600 00	1,050 00	60 00	35 00	1,650 00	2,298 92	17	66 00
9	9	585 00	315 00	65 00	35 00	900 00	1,257 92	2	16 50
9	36	600 00	1,260 00	66 66	35 00	1,860 00	2,493 03	33	292 81
10	115	1,200 00	4,375 00	120 00	38 04	5,575 00	9,009 06	35	275 00
9	9	450 00	315 00	50 00	35 00	765 00	1,086 05	8	.....
28.5	418	3,220 00	19,460 00	112 97	46 55	22,680 00	45,650 58	35	368 45
9.5	40.5	600 00	1,301 25	63 15	32 12	1,901 25	2,619 61	2	9 00
9	36	720 00	1,237 50	80 00	34 37	1,957 50	2,484 74	20	73 50
9	27	900 00	1,575 00	100 00	58 33	2,475 00	4,014 03	.....	.....
9	27	630 00	1,035 00	70 00	38 33	1,665 00	2,182 00	.....	.....
27	99	1,665 00	3,735 00	61 66	37 72	5,400 00	8,567 51	13	77 20
10	90	1,000 00	2,825 00	100 00	31 50	3,825 00	4,727 88	44	524 56
40	700	4,545 50	31,584 92	113 64	45 12	36,130 42	49,623 64	25	503 05
40	250	3,185 00	12,416 00	79 62	49 66	15,601 00	30,205 85	15	.....
9	63	630 00	2,293 00	70 00	36 39	2,923 00	4,176 90	30	184 46
20	20	1,100 00	700 00	55 00	35 00	1,800 00	2,356 10	10	61 35
10	10	450 00	300 00	45 00	30 00	750 00	923 83	.....	.....
9	54	800 00	2,070 00	88 88	38 33	2,870 00	4,059 23	54	342 64
20	150	1,822 50	5,696 70	91 12	37 98	7,519 20	17,527 18	18	136 05
9	36	585 00	1,269 00	65 00	35 25	1,854 00	2,692 12	13	81 82
20	70	1,350 00	2,650 00	67 50	37 85	4,000 00	6,630 39	43	364 50
50	488	5,200 00	25,886 25	104 00	53 04	31,086 25	57,570 13	1	.....
30	235	2,950 00	9,329 50	98 33	39 70	12,279 50	17,338 68	58	913 26
9.5	28.5	650 00	1,187 50	68 42	41 66	1,837 50	2,231 65	14	113 50
9	9	450 00	270 00	50 00	30 00	720 00	901 96	1	3 00
20	110.5	1,550 00	4,430 00	77 50	40 09	5,980 00	12,341 94	43	373 00
9	9	405 00	270 00	45 00	30 00	675 00	960 43	1	.....
10	40	700 00	1,448 25	70 00	36 21	2,148 25	3,257 89	16	125 00
9	45	585 00	1,575 00	65 00	35 00	2,160 00	2,784 09	5	30 84
9.5	19	650 00	617 50	68 42	32 50	1,267 50	1,590 21	13	108 38
40	130	2,630 00	6,202 50	65 75	47 71	8,832 50	12,338 79	5	.....
9	72	675 00	3,285 00	75 00	45 62	3,960 00	5,167 76	.....	.....
9	18	540 00	567 00	60 00	31 50	1,107 00	1,417 59	1	.....
5	42	175 00	1,735 00	35 00	41 31	1,910 00	2,318 85	2	9 00
10	37.5	650 00	1,425 00	65 00	38 02	2,075 00	2,865 74	18	167 78
9	54	700 00	1,944 00	77 77	36 00	2,644 00	3,503 21	23	212 85
47.5	522.5	5,555 00	25,613 22	116 94	49 02	31,168 22	51,538 99	7	118 40
9	27	450 00	945 00	50 00	35 00	1,395 00	2,410 50	3	13 80
10	20	725 00	650 00	72 50	32 50	1,375 00	2,073 28	9	84 50
10	60	1,000 00	2,710 00	100 00	45 16	3,710 00	6,428 33	3	.....
9	9	540 00	315 00	60 00	35 00	855 00	1,067 70	6	36 00
10	60	850 00	2,150 00	85 00	35 83	3,000 00	3,978 82	25	194 48
20	140	1,650 00	5,575 00	82 50	39 82	7,225 00	10,953 25	26	109 59
9	72	900 00	2,700 00	100 00	37 50	3,600 00	5,230 22	24	328 45

TABLE XVI.—CONTINUED.

Districts.	Counties.	Number of children between 5 and 20 years.	Number of children that attended school during the year.	Number of days' school.	Percentage of attendance.	Estimated valuation of school property.	Total indebtedness.	Number of teachers employed.	
								Men.	Women.
Milford	Oakland	244	189	200	84	$14,000	$1,500 00	1	7
Millburg	Berrien	115	110	180	76	2,500		1	2
Mill Creek	Kent	156	130	200	58	1,500			2
Millersburg	Presque Isle	219	193	200	61	5,000	1,200 00	1	4
Millington	Tuscola	220	190	200	85	7,000		1	3
Minden City	Sanilac	186	142	200	66	3,200	350 00	2	1
Monguagon Tp. 3	Wayne	200	151	200	75	12,000	8,000 00	1	2
Monroe	Monroe	1,661	846	192	89	38,000	8,500 00	3	20
Montague	Muskegon	307	254	180	81	20,000	800 00	2	6
Montgomery	Hillsdale	86	73	180	94	4,500	1,500 00	1	2
Morenci	Lenawee	322	274	180	93	11,000		1	6
Morley	Mecosta	131	108	180	91	4,200		1	2
Morrice	Shiawassee	125	131	190	87	5,500		1	3
Moscow	Hillsdale	84	69	180	77	1,000		1	1
Mt. Clemens	Macomb	2,175	1,238	200	96	100,000	24,000 00	4	29
Mt. Morris	Genesee	211	147	200	87	6,000		1	3
Mt. Pleasant	Isabella	1,073	539	200	91	30,000	10,000 00	3	14
Muir	Ionia	120	88	180	87	6,200		1	3
Munising	Alger	796	691	182	88	12,200	1,150 00	3	17
Muskegon	Muskegon	6,814	5,674	200	93	1,247,392	140,000 00	16	110
Muskegon Heights	Muskegon	317	278	200	92	15,000	2,000 00	1	6
Napoleon	Jackson	110	78	190	80	5,000	125 00	1	3
Nashville	Barry	324	283	200	83	25,000	10,000 00	2	8
Negaunee	Marquette	2,206	1,358	200	95	60,000	18,000 00	2	31
Newaygo	Newaygo	447	360	196	80	12,000		1	10
New Baltimore	Macomb	240	154	200	94	20,000		1	9
New Buffalo	Berrien	191	167	180	93	4,000		1	3
New Haven	Macomb	147	140	180	62	3,000		2	1
New Holland	Ottawa	162	104	200	80	2,000		1	1
New Hudson	Oakland	56	69	176	70	2,000		1	1
New Troy	Berrien	213	163	170	70	3,000		1	2
Niles	Berrien	1,200	1,048	199	96	60,000	5,000 00	2	24
Noordeloos	Ottawa	101	76	200	83	1,900	300 00	1	1
North Adams	Hillsdale	125	110	190	86	10,000	500 00	1	3
North Branch	Lapeer	221	196	190	92	10,000	2,000 00	1	5
North Muskegon	Muskegon	152	118	175	63	8,000	596 87		2
Northport	Leelanau	288	241	180	82	6,500	1,200 00	1	5
North Star Tp. 1	Gratiot	90	85	180	78	2,000			2
Northville	Wayne	481	381	200	94	20,000		2	11
Norway	Dickinson	1,593	1,055	190	96	49,000	24,575 00	3	22
Nunica	Ottawa	106	92	180	85	2,500		1	1
Oakley	Saginaw	77	74	180	60	1,600		1	1
Okemos	Ingham	131	116	180	91	3,000		1	2
Olivet	Eaton	187	153	200	89	9,000		1	6
Omer	Arenac	204	159	200	57	6,000	2,300 00	2	3
Onaway	Presque Isle	724	567	200	82	17,000	12,500 00	2	11
Onekama	Manistee	164	136	180	73	1,500	75 34	2	1
Onondaga	Ingham	89	67	180	89	3,500	2,000 00	1	2
Ontonagon	Ontonagon	670	614	200	79	30,000	2,158 17	2	20
Orion	Oakland	205	170	200	86	10,000	1,200 00	1	6
Ortonville	Oakland	99	84	200	83	2,000		1	2
Osceola Tp. 1	Houghton	1,911	1,315	200	73	500		2	29
Oscoda	Iosco	412	270	180	96	3,000			7
Osseo	Hillsdale	83	63	180	90	1,800		1	1
Otisville	Genesee	139	119	200	77	2,000		2	1
[illegible]	Allegan	645	495	180	93	37,500	14,7[illegible]		17
[illegible]dge	Lapeer	85	58	174	77	1,100			2
[illegible]	Sanilac	87	75	200	44	1,000			1
[illegible]	Allegan	115	93	177	80	2,000			1

TABLE XVI.—CONTINUED.

Aggregate number of months taught by all teachers.		Total wages of teachers for the year.		Average monthly wages of teachers.		Amount paid for superintendence and instruction.	Total cost of school.	Number of non-resident pupils.	Tuition of non-resident pupils.
Men.	Women.	Men.	Women.	Men.	Women.				
10	70	$950 00	$2,315 00	$95 00	$33 07	$3,265 00	$6,439 70	45	$330 07
9	18	540 00	567 00	60 00	31 50	1,107 00	1,345 10	7	59 00
.....	20	.....	800 00	.....	40 00	800 00	925 92	.....	.....
10	40	600 00	1,375 00	60 00	34 37	1,975 00	2,664 18	8	2 00
10	30	600 00	950 00	60 00	31 67	1,550 00	2,048 95	36	233 87
17	10	711 00	300 00	41 82	30 00	1,011 00	1,583 77	10	32 75
10	20	550 00	700 00	55 00	35 00	1,250 00	2,347 17	.....	.....
30	192	2,880 50	7,904 87	95 35	41 17	10,765 37	21,696 09	48	642 80
18	54	765 00	1,844 50	42 50	34 15	2,609 50	5,457 82	18	124 00
9	18	495 00	562 50	55 00	31 25	1,057 50	1,303 63	8	50 50
9	54	1,000 00	1,827 00	111 11	33 83	2,827 00	4,753 16	32	251 00
9	18	465 00	549 00	51 66	30 50	1,014 00	1,516 77	9	54 00
9.5	28.5	617 50	926 25	65 00	32 50	1,543 75	2,054 11	7	30 00
9	9	430 00	270 00	47 77	30 00	700 00	840 70	5	47 00
40	289	3,900 00	11,400 50	97 50	39 44	15,300 50	26,213 12	26	254 20
10	30	775 00	1,050 00	77 50	35 00	1,825 00	2,851 80	37	329 97
30	140	2,550 00	6,112 50	85 00	43 66	8,662 50	17,814 58	40	256 52
9	27	540 00	809 25	60 00	29 97	1,349 25	1,802 49	11	57 25
23	159	2,050 00	8,750 00	89 13	55 03	10,800 00	19,311 93	.....	.....
100	1,100	18,914 00	53,491 56	118 21	48 63	72,405 56	142,688 84	21	479 98
10	60	850 00	2,200 00	85 00	36 66	3,050 00	5,918 76	10	14 10
9.5	19	550 00	600 00	57 89	31 57	1,150 00	1,499 36	12	70 50
20	80	1,200 00	2,420 00	60 00	30 25	3,620 00	4,936 69	30	249 82
20	310	2,700 00	18,572 50	135 00	59 91	21,272 50	29,448 56	.....	.....
10	78	850 00	2,725 90	85 00	34 94	3,575 90	4,785 64	14	159 60
10	56	755 62	1,723 00	75 56	30 76	2,478 62	4,316 76	15	111 24
9	27	675 00	990 00	75 00	36 66	1,665 00	2,552 42	6	80 00
18	9	945 00	279 00	52 50	31 00	1,224 00	2,447 75	9	47 50
10	10	550 00	250 00	55 00	25 00	800 00	1,004 24	2	.....
9	9	450 00	225 00	50 00	25 00	675 00	856 71	14	36 83
8	17	480 00	680 00	60 00	40 00	1,160 00	2,242 42	12	57 50
19	228	2,500 00	9,736 25	131 58	42 70	12,236 25	17,333 00	47	516 93
10	10	450 00	320 00	45 00	32 00	770 00	1,370 24	4	1 76
9.5	28.5	600 00	1,045 00	63 15	36 66	1,645 00	2,225 19	30	177 00
10	50	800 00	1,650 00	80 00	33 00	2,450 00	4,133 94	51	544 25
.....	16.5	.....	581 50	.....	35 24	581 50	1,370 19	.....	.....
9	36	650 00	1,432 00	72 22	39 77	2,082 00	2,755 97	25	98 50
.....	18	.....	747 00	.....	41 50	747 00	1,027 11	12	63 50
20	100	1,600 00	3,629 00	80 00	36 29	5,229 00	6,494 48	31	331 76
24.5	209	2,830 02	10,535 25	115 51	50 40	13,365 27	21,314 79	17	.....
9	9	450 00	270 00	50 00	30 00	720 00	898 55	4	30 50
9	9	405 00	225 00	45 00	25 00	630 00	765 54	3	5 00
9	18	500 00	585 00	55 55	32 50	1,085 00	1,691 15	14	96 25
10	60	750 00	1,910 00	75 00	31 83	2,660 00	3,477 77	42	349 99
10	30	568 00	1,050 00	56 80	35 00	1,618 00	2,215 44	.....	.....
20	96.8	1,395 00	3,708 50	69 75	38 31	5,103 50	8,076 33	.....	.....
18	9	855 00	315 00	47 50	35 00	1,170 00	1,834 13	2	9 63
9	18	405 00	540 00	45 00	30 00	945 00	1,406 07	7	39 60
10	188	1,000 00	8,720 00	100 00	46 38	9,720 00	13,733 40	.....	.....
10	50	600 00	1,575 00	60 00	31 50	2,175 00	4,324 31	18	104 10
10	20	700 00	640 00	70 00	32 00	1,340 00	1,747 49	29	268 75
20	279.3	2,600 00	14,168 41	130 00	50 72	16,768 41	27,176 16	12	178 00
.....	59	.....	2,040 00	.....	34 57	2,040 00	3,294 56	.....	.....
9	9	450 00	270 00	50 00	30 00	720 00	748 28	6	49 68
20	10	900 00	300 00	45 00	30 00	1,200 00	1,453 61	29	159 82
18	114.5	1,750 00	4,568 50	97 22	39 89	6,318 50	9,620 35	22	196 12
.....	18	.....	630 00	.....	35 00	630 00	740 67	12	13 00
.....	10	.....	380 00	.....	38 00	380 00	494 31	.....	.....
9	9	387 00	225 00	43 00	25 00	612 00	754 35	8	24 00

TABLE XVI.—CONTINUED.

Districts.	Counties.	Number of children between 5 and 20 years.	Number of children that attended school during the year.	Number of days' school.	Percentage of attendance.	Estimated valuation of school property.	Total indebtedness.	Number of teachers employed.	
								Men.	Women.
Ovid	Clinton	339	309	200	90	$15,000		2	7
Owosso	Shiawassee	2,471	1,843	195	94	160,000	$25,996 99	5	41
Oxford	Oakland	259	239	200	93	20,000		1	7
Palmyra	Lenawee	70	82	178	70	2,000		1	1
Palo	Ionia	84	70	197	88	4,000	200 00	2	2
Paris Tp. 1	Kent	127	90	180	60	1,000			2
Parma	Jackson	170	153	200	93	10,000		1	6
Paw Paw	Van Buren	395	317	200	84	50,000		3	6
Pearl	Allegan	99	88	160	64	3,000	600 00	1	1
Pellston	Emmet	306	214	180	69	4,500	3,000 00	3	3
Pentwater	Oceana	331	272	195	87	10,000	1,216 05	1	7
Perry	Shiawassee	200	169	200	67	10,000	5,500 00	1	5
Petersburg	Monroe	210	155	180	91	8,000		1	4
Petoskey	Emmet	1,550	1,170	189	95	60,500	20,000 00	3	27
Pewamo	Ionia	144	117	180	87	8,000	3,000 00	2	2
Pickford	Chippewa	161	125	200	67	5,000	3,400 00	1	2
Pierson	Montcalm	125	80	180	45	1,000		1	1
Pigeon	Huron	329	222	200	70	5,000	375 00	2	3
Pinckney	Livingston	134	108	200	93	8,000		1	3
Pinconning	Bay	341	254	200	97	18,000	13,315 00	1	4
Pine Run	Genesee	52	42	180	64	1,000		1	
Pinnebog	Huron	136	105	200	68	2,000		1	1
Pittsford	Hillsdale	115	143	190	79	6,000		1	3
Plainwell	Allegan	319	302	190	90	15,000		1	9
Plymouth	Wayne	503	376	200	81	25,000		1	13
Pontiac	Oakland	2,293	1,819	195	93	250,000	75,000 00	3	43
Port Austin	Huron	224	190	197	80	3,000	535 00	1	3
Port Hope	Huron	192	98	195	73	1,800		1	2
Port Huron	St. Clair	5,722	3,306	200	96	665,000		4	80
Portland	Ionia	460	317	190	94	16,000			13
Port Sanilac	Sanilac	110	104	180	72	2,000		1	2
Potterville	Eaton	145	114	180	93	3,500		1	3
Prescott	Ogemaw	132	98	180	63	1,000			3
Quincy	Branch	345	243	190	95	16,000	7,456 22	1	7
Ravenna	Muskegon	179	120	180	96	3,000		1	3
Reading	Hillsdale	243	218	190	82	8,500		1	7
Reed City	Osceola	537	486	190	90	26,000	1,300 00	4	12
Remus	Mecosta	134	95	180	68	3,500	400 00	1	2
Republic Tp	Marquette	871	635	200	76	17,000		1	16
Richland	Kalamazoo	86	80	180	93	4,500		2	4
Richmond	Macomb	373	288	180	87	9,500	800 00	1	7
Ridgeway	Lenawee	83	68	180	75	2,000		2	2
Riverdale	Gratiot	130	99	180	65	2,000		1	2
River Rouge	Wayne	850	593	200	90	75,000	62,600 00	2	15
Rochester	Oakland	365	298	200	80	15,000		1	6
Rockford	Kent	203	193	200	78	20,000		1	6
Rockland Tp	Ontonagon	399	386	140	77	22,000	10,000 00	2	12
Rockwood	Wayne	103	83	200	72	3,000		1	1
Rogers	Presque Isle	301	301	172	70	7,500	5,591 23		5
Romeo	Macomb	435	313	200	84	28,509		3	10
Romulus	Wayne	109	74	180	74	3,000	300 00	1	1
Roscommon	Roscommon	224	105	200	80	3,500	3,000 00	1	2
Rose City	Ogemaw	277	234	189	81	4,000	2,500 00	1	4
Royal Oak	Oakland	313	245	200	82	15,000	11,000 00	1	5
Saganing	Arenac	159	98	180	78	2,500		1	1
Saginaw	Saginaw	8,246	4,813	193	96	461,437	40,000 00		132
Sagin-	Saginaw	5,650	3,301	200	78	248,972	16,054 44		74
St.	Saginaw	658	527	200	91	15,000			8
St	St. Clair	739	545	200	95	35,000	3,200		13

TABLE XVI.—CONTINUED.

Aggregate number of months taught by all teachers.		Total wages of teachers for the year.		Average monthly wages of teachers.		Amount paid for superintendence and instruction.	Total cost of school.	Number of non-resident pupils.	Tuition of non-resident pupils.
Men.	Women.	Men.	Women.	Men.	Women.				
20	70	$1,550 00	$2,700 00	$77 50	$38 57	$4,250 00	$6,618 31	30	$339 00
50	410	5,150 00	19,146 55	103 00	46 70	24,296 55	43,365 82	37	471 94
10	70	850 00	2,920 00	85 00	41 71	3,770 00	5,498 35	22	205 75
9	9	405 00	315 00	45 00	35 00	720 00	864 78	3	16 00
10	20	500 00	630 00	50 00	31 50	1,130 00	2,052 34	28	200 50
.....	15	.....	564 00	.....	37 60	564 00	865 06	2	.....
10	49.7	650 00	1,617 75	65 00	32 55	2,267 75	3,773 04	19	162 50
30	60	2,130 00	2,461 80	71 00	41 03	4,591 80	6,942 55	73	760 00
8	8	384 00	240 00	48 00	30 00	624 00	774 83	3	7 50
9	27	540 00	1,125 00	60 00	41 66	1,665 00	2,962 66	1	.....
10	70	900 00	2,580 00	90 00	36 85	3,480 00	4,667 17	7	26 89
10	50	800 00	1,675 00	80 00	33 50	2,475 00	3,967 22	27	164 69
9	36	567 00	1,215 00	63 00	33 75	1,782 00	2,447 95	16	196 13
28.5	256.5	3,000 00	12,869 58	105 26	50 17	15,869 58	34,019 10	15	142 55
9	18	540 00	540 00	60 00	30 00	1,080 00	1,763 96	12	38 90
10	20	600 00	680 00	60 00	34 00	1,280 00	2,541 18	1	4 25
9	9	450 00	270 00	50 00	30 00	720 00	916 68	2	2 00
10	30	650 00	1,050 00	65 00	35 00	1,700 00	2,166 19	16	101 50
10	30	700 00	950 00	70 00	31 66	1,650 00	2,224 70	16	157 88
10	40	700 00	1,785 00	70 00	44 63	2,485 00	18,619 52	9	45 00
9	.....	360 00	.....	40 00	.....	360 00	405 00	.....	.....
10	10	500 00	350 00	50 00	35 00	850 00	1,082 31	7	31 75
9.5	28.5	500 00	902 50	52 63	31 66	1,402 50	1,740 01	28	235 10
9.5	85.5	1,100 00	3,042 50	115 79	35 58	4,142 50	6,078 43	44	591 61
10	100	1,000 00	3,977 50	100 00	39 78	4,977 50	6,143 78	35	397 49
30	430	4,100 00	18,463 50	136 66	42 94	22,563 50	43,347 10	54	828 88
10	30	700 00	1,250 00	70 00	41 66	1,950 00	3,024 87	19	4 60
10	20	575 00	600 00	57 50	30 00	1,175 00	1,416 39	4	28 00
40	800	4,950 00	36,329 81	123 75	45 41	41,279 81	75,557 11	25	85 10
.....	123.5	.....	5,560 00	.....	45 02	5,560 00	10,119 36	40	496 34
9	18	495 00	540 00	55 00	30 00	1,035 00	1,321 51	7	.....
9	18	450 00	718 00	50 00	39 88	1,168 00	1,478 59	10	36 00
.....	18	.....	655 00	.....	36 38	655 00	833 06	.....	.....
9.5	66.5	1,000 00	2,650 00	105 26	39 85	3,650 00	12,965 54	32	363 50
9	18	540 00	683 75	60 00	37 98	1,223 75	1,549 28	10	69 50
9.5	56.6	1,100 00	2,176 50	115 78	38 45	3,276 50	4,391 85	55	624 08
28.5	104.5	2,395 50	3,947 50	84 05	37 77	6,343 00	8,792 32	27	213 50
9	10	495 00	384 90	55 00	38 49	879 90	1,482 50	.....	.....
10	135.2	1,200 00	6,416 25	120 00	47 44	7,616 25	10,145 84	4	.....
9	26.3	540 00	1,016 25	60 00	38 64	1,556 25	1,983 26	13	175 80
9	50	750 00	1,981 50	83 33	39 63	2,731 50	3,680 18	26	214 27
9	13	450 00	294 50	50 00	22 65	744 50	951 40	8	35 50
9	9	423 00	340 00	47 00	37 77	763 00	1,106 03	3	.....
14	129.5	1,155 00	5,865 50	82 50	45 29	7,020 50	18,042 98	1	10 00
10	60	950 00	2,175 00	95 00	36 25	3,125 00	3,988 42	27	199 77
10	50	700 00	1,800 00	70 00	36 00	2,500 00	3,356 77	38	279 85
20	108	1,750 00	5,565 00	87 50	51 53	7,315 00	19,788 98	.....	.....
10	10	500 00	300 00	50 00	30 00	800 00	1,340 62	4	30 00
.....	45	.....	1,984 00	.....	44 08	1,984 00	2,983 49	1	3 00
10	100	1,552 50	3,550 00	155 25	35 50	5,102 50	6,431 61	27	375 92
9	9	450 00	315 00	50 00	35 00	765 00	1,278 62	7	23 67
10	20	605 56	700 00	60 55	35 00	1,305 56	2,134 29	3	10 00
9	36	570 00	1,233 75	63 33	34 27	1,803 75	2,532 82	9	27 47
10	50	750 00	1,700 00	75 00	34 00	2,450 00	4,347 29	26	203 00
9	9	360 00	270 00	40 00	30 00	630 00	889 52	1	1 50
30	1,320	16,000 00	64,774 01	123 07	49 07	80,774 01	152,125 29	60	1,295 80
60	740	7,581 68	42,847 05	126 36	57 90	50,428 73	95,793 06	40	360 71
10	80	950 00	2,900 00	95 00	36 25	3,850 00	5,269 02	4	19 35
20	130	1,650 00	5,170 00	82 50	39 76	6,820 00	14,127 07	15	130 50

TABLE XVI.—CONTINUED.

Districts.	Counties.	Number of children between 5 and 20 years.	Number of children that attended school during the year.	Number of days' school.	Percentage of attendance.	Estimated valuation of school property.	Total indebtedness.	Number of teachers employed.	
								Men.	Women.
St. Ignace	Mackinac	676	438	180	96	$12,000	$8,875 60	2	8
St. Johns	Clinton	910	777	197	96	50,000	105 49	2	24
St. Joseph	Berrien	1,485	1,018	179	96	75,000	10,000 00	4	26
St. Louis	Gratiot	636	514	190	90	30,000	13,000 00	3	15
Salem	Washtenaw	67	51	180	73	900	100 00	1	1
Saline	Washtenaw	221	188	200	91	25,000	1,000 00	1	7
Sand Lake	Kent	125	144	180	65	2,500	.....	1	2
Sandusky	Sanilac	298	254	180	77	10,000	6,000 00	1	4
Sanilac Tp. 3	Sanilac	65	43	180	62	700	.....	.....	1
Sanilac Tp. 8 fr.	Sanilac	67	55	180	50	700	.....	.....	1
Saranac	Ionia	269	239	200	82	15,000	304 20	2	6
Saugatuck	Allegan	234	183	180	92	12,500	4 00	1	5
Sault Ste. Marie	Chippewa	3,423	2,592	196	97	250,000	112,000 00	11	48
Schoolcraft	Kalamazoo	201	185	180	96	24,000	.....	1	5
Scottville	Mason	252	238	180	76	15,000	7,400 00	1	6
Sebewaing	Huron	628	348	195	89	2,000	20,000 00	1	4
Shaftsburg	Shiawassee	68	64	180	69	1,200	833 60	1	1
Shelby	Oceana	411	345	190	90	7,500	686 91	1	8
Shepherd	Isabella	281	248	180	96	20,000	15,000 00	1	5
Sheridan	Montcalm	170	148	180	61	5,265	2,400 00	2	4
Sherman	Wexford	186	173	180	71	3,000	.....	1	4
Sherwood	Branch	138	133	180	71	6,000	.....	2	2
Soule	Huron	127	78	200	74	1,500	400 00	1	1
South Boardman	Kalkaska	169	159	180	90	5,000	2,850 00	1	3
South Frankfort	Benzie	187	154	200	70	6,000	.....	1	4
South Haven	Van Buren	1,013	861	186	95	40,000	.....	3	20
South Lyon	Oakland	181	163	190	93	4,000	.....	1	4
South Rockwood	Monroe	144	111	180	54	3,000	.....	.....	2
Spalding Tp	Menominee	804	610	180	51	4,400	9,000 00	1	14
Sparta	Kent	355	307	200	87	10,000	5,000 00	1	9
Spring Lake	Ottawa	255	153	180	93	6,000	380 00	1	4
Springport	Jackson	124	113	200	82	5,000	.....	1	4
Springwells Tp. 1	Wayne	927	524	200	91	35,000	27,500 00	1	12
Springwells Tp. 3	Wayne	460	337	200	85	12,000	8,000 00	.....	5
Springwells Tp. 4	Wayne	1,324	515	200	91	35,000	19,624 00	1	12
Springwells Tp. 7	Wayne	990	709	200	72	45,000	38,000 00	2	20
Stambaugh	Iron	590	438	185	70	27,600	18,000 00	3	11
Standish	Arenac	458	406	200	91	12,000	7,500 00	2	11
Stanton Tp	Houghton	721	465	200	89	20,000	15,000 00	1	12
Stanton	Montcalm	378	304	190	90	6,000	.....	1	7
Stanwood	Mecosta	121	98	200	53	1,600	.....	1	1
Sterling	Arenac	217	172	180	87	4,000	.....	1	2
Stevensville	Berrien	263	153	180	83	5,500	.....	1	5
Stockbridge	Ingham	186	174	200	96	5,000	.....	1	4
Sturgis	St. Joseph	636	524	187	96	50,000	.....	2	13
Sumner Tp. 4 fr.	Gratiot	106	98	180	74	3,600	.....	.....	2
Sunfield	Eaton	150	106	190	79	400	.....	1	3
Superior Tp	Chippewa	397	369	159	55	6,650	.....	3	10
Sutton's Bay	Leelanau	194	89	156	81	5,000	.....	1	2
Tallmadge Tp. 1 fr.	Ottawa	99	106	180	87	1,500	.....	1	1
Tawas City	Iosco	513	318	196	93	9,000	103 87	1	7
Tecumseh	Lenawee	567	454	187	95	53,300	.....	2	14
Tekonsha	Calhoun	178	145	180	89	5,000	.....	2	3
Thompsonville	Benzie	336	302	180	64	4,000	.....	1	10
Thornville	Lapeer	63	52	180	70	2,000	.....	1	1
Three Oaks	Berrien	367	309	180	97	5,000	.....	1	7
Three Rivers	St. Joseph	999	717	190	95	65,000	46,052 00		24
Traverse City	Grand Traverse	2,890	2,647	180	93	165,000	34,000 00		53
Trenton	Wayne	371	274	200	87	21,000	20,000 00		7

TABLE XVI.—CONTINUED.

Aggregate number of months taught by all teachers.		Total wages of teachers for the year.		Average monthly wages of teachers.		Amount paid for superintendence and instruction.	Total cost of school.	Number of non-resident pupils.	Tuition of non-resident pupils.
Men.	Women.	Men.	Women.	Men.	Women.				
18	72	$1,305 00	$3,420 00	$61 39	$47 50	$4,725 00	$8,907 56	.....	.....
20	240	2,050 00	9,185 20	102 50	38 27	11,235 20	17,420 75	56	$786 00
36	234	3,850 00	11,769 55	106 94	50 29	15,619 55	26,046 59	24	222 80
20	145	1,810 00	6,012 50	90 50	41 46	7,822 50	11,368 80	49	299 19
9	8	360 00	200 00	40 00	25 00	560 00	666 08	4	10 00
10	60	900 00	2,185 00	90 00	36 42	3,085 00	3,911 61	27	357 85
9	18	500 00	540 00	55 55	30 00	1,040 00	1,474 52	8	38 96
9	36	600 00	1,359 00	66 67	37 75	1,959 00	3,457 13	17	44 50
.....	9	.....	360 00	.....	40 00	360 00	534 44	6	.....
.....	9	.....	360 00	.....	40 00	360 00	469 83	1	.....
10	60	650 00	2,025 00	65 00	33 75	2,675 00	4,285 29	35	370 70
9	44.6	900 00	1,382 75	100 00	31 00	2,282 75	3,277 86	26	198 61
106	480	9,550 00	25,126 75	90 09	52 34	34,676 75	77,948 22	.....	.....
9	45	1,000 00	1,854 00	111 11	41 20	2,854 00	3,677 28	26	332 86
9	54	600 00	2,182 50	66 66	40 41	2,882 50	5,060 24	20	179 00
10	40	700 00	1,400 00	70 00	35 00	2,100 00	13,620 93	8	29 00
9	9	405 00	315 00	45 00	35 00	720 00	835 60	7	21 43
9.5	76	800 00	2,897 50	84 21	38 12	3,697 50	5,041 13	15	159 20
9	45	630 00	1,620 00	70 00	36 00	2,250 00	15,345 54	17	112 50
8	28	520 00	920 00	65 00	32 85	1,440 00	2,165 51	15	44 05
9	26	630 00	1,040 00	70 00	40 00	1,670 00	2,447 24	12	62 75
18	18	810 00	626 50	45 00	34 80	1,436 50	2,010 61	21	77 25
10	9	500 00	268 50	50 00	25 38	768 50	1,041 87	6	8 25
9	25	495 00	863 75	55 00	34 55	1,358 75	2,352 05	6	44 75
10	40	650 00	1,450 00	65 00	36 25	2,100 00	2,601 32	1	21 50
28.5	190	2,527 50	8,434 92	88 68	44 39	10,962 42	17,531 38	154	1,266 82
9.5	38	700 00	1,330 00	73 68	35 00	2,030 00	2,621 12	37	276 68
.....	18	.....	720 00	.....	40 00	720 00	830 97	.....	.....
9	126	800 00	5,117 00	88 88	40 61	5,917 00	13,986 35	30	.....
10	70	800 00	2,887 50	80 00	41 25	3,687 50	5,103 56	11	149 75
9	36	700 00	1,332 00	77 77	37 00	2,032 00	3,296 07	2	2 25
10	40	600 00	1,450 00	60 00	36 25	2,050 00	2,860 71	17	102 75
10	120	1,000 00	5,200 00	100 00	43 33	6,200 00	9,950 80	.....	.....
.....	50	.....	2,850 00	.....	57 00	2,850 00	5,297 18	.....	.....
10	107.8	1,000 00	4,934 88	100 00	45 79	5,934 88	10,154 26	.....	.....
19	190.5	1,570 00	8,206 50	82 63	43 08	9,776 50	15,914 64	25	75 00
28	105	1,660 00	4,722 25	59 28	44 97	6,382 25	30,426 82	7	.....
20	73.5	1,126 00	2,941 50	56 30	40 02	4,067 50	9,558 46	.....	.....
10	119.5	800 00	5,955 00	80 00	49 83	6,755 00	18,016 15	.....	.....
9.5	66.5	850 00	2,766 00	89 47	41 59	3,616 00	4,881 36	15	105 50
10	10	450 00	300 00	45 00	30 00	750 00	1,140 27	3	14 00
9	18	495 00	541 50	55 00	30 08	1,036 50	1,192 38	.....	.....
8	34	520 00	1,360 00	65 00	40 00	1,880 00	2,580 84	12	80 25
10	40	700 00	1,430 00	70 00	35 75	2,130 00	2,994 80	31	239 87
19	123.5	1,720 00	4,562 50	90 52	36 94	6,282 50	9,006 01	14	144 20
.....	18	.....	675 00	.....	37 50	675 00	1,017 24	.....	.....
9.5	28.5	475 00	997 50	50 00	35 00	1,472 50	2,044 60	13	105 00
21	78	1,365 25	2,821 00	65 01	36 16	4,186 25	6,144 52	14	.....
8	16	500 00	560 00	62 50	35 00	1,060 00	1,347 71	4	6 00
9	9	450 00	315 00	50 00	35 00	765 00	1,020 17	9	90 92
10	70	775 00	1,988 75	77 50	28 41	2,763 75	7,073 67	3	8 00
19	123.8	1,025 00	5,675 00	53 94	45 85	6,700 00	9,657 12	62	883 56
18	27	900 00	990 00	50 00	36 66	1,890 00	2,342 79	19	209 38
9	54.5	675 00	2,047 60	75 00	37 57	2,722 60	3,291 02	.....	.....
9	9	405 00	225 00	45 00	25 00	630 00	855 47	1	5 00
9	62	850 00	2,291 00	94 44	36 95	3,141 00	3,852 15	18	238 75
35.5	221	3,215 00	9,613 00	90 56	43 49	12,828 00	51,941 92	18	253 00
45	477	5,430 00	19,770 00	120 66	41 44	25,200 00	60,333 22	73	659 67
.....	70	.....	3,014 80	.....	43 07	3,014 80	6,104 11	3	34 00

TABLE XVI.—Concluded.

Districts.	Counties.	Number of children between 5 and 20 years.	Number of children that attended school during the year.	Number of day's school.	Percentage of attendance.	Estimated valuation of school property.	Total indebtedness.	Number of teachers employed.	
								Men.	Women.
Trufant	Montcalm	162	140	180	59	$3,500	$1,200 00	1	2
Turner	Arenac	226	171	200	71	2,500		1	2
Tuscola	Tuscola	107	87	180	68	1,200		1	1
Tustin	Osceola	150	146	180	70	4,500		1	3
Twining	Arenac	220	160	200	79	3,000		1	2
Union City	Branch	349	314	200	87	25,000		4	13
Unionville	Tuscola	240	171	200	81	11,000	5,600 00	1	3
Utica	Macomb	229	111	200	95	8,000		1	4
Vandalia	Cass	142	125	180	96	6,000		1	3
Vassar	Tuscola	485	393	200	89	25,000		1	12
Vermontville	Eaton	205	165	190	91	10,000		1	6
Vernon	Shiawassee	132	98	200	90	6,500	1,000 00	1	3
Vestaburg	Montcalm	115	87	180	65	1,500		1	2
Vicksburg	Kalamazoo	290	256	180	95	11,000	1,000 00	2	6
Vriesland	Ottawa	142	101	190	79	3,000			2
Wakefield	Gogebic	608	495	200	89	26,000	18,000 00	1	12
Waldron	Hillsdale	112	93	180	82	2,500		1	2
Walled Lake	Oakland	66	55	190	82	2,000		1	1
Warren	Macomb	121	82	180	81	2,500		1	1
Warren Tp. 1 fr.	Macomb	99	75	180	68	1,600	215 00	1	2
Washington Tp. 4	Sanilac	95	78	200	50	1,000			1
Washington Tp. 12 fr.	Macomb	79	55	200	90	1,500		1	1
Watervliet	Berrien	319	292	180	75	10,000	500 00	2	5
Watrousville	Tuscola	107	98	200	71	2,400		1	1
Wayland	Allegan	177	161	180	88	7,500	500 00	2	2
Wayne	Wayne	392	342	200	84	15,000		1	9
Webberville	Ingham	158	122	180	91	4,000	400 00	1	2
Weidman	Isabella	222	118	180	82	2,600		1	1
West Branch	Ogemaw	521	502	190	78	15,000	12,000 00	1	7
Wheeler	Gratiot	76	73	180	55	1,000			2
White Cloud	Newaygo	236	200	180	73	7,000		1	3
Whitehall	Muskegon	496	374	190	90	30,000		1	9
White Pigeon	St. Joseph	134	119	200	95	18,000		1	5
White Rock	Huron	44	40	180	44	600			1
Williamston	Ingham	311	265	200	92	25,000	4,000 00	2	9
Winsor Tp. 1	Huron	179	135	210	73	2,250			2
Winsor Tp. 2	Huron	139	82	180	75	1,000			1
Wolverine	Cheboygan	237	186	180	64	8,000	1,500 00	1	4
Woodland	Barry	100	67	180	94	3,000		1	2
Worth Tp. 12 fr.	Sanilac	61	40	180	68	600		1	
Wyandotte	Wayne	2,087	1,086	200	98	100,000	73,400 00	1	28
Wyoming Tp. 7	Kent	272	215	200	85	3,000	3,000 00	1	1
Wyoming Tp. 9 fr.	Kent	400	262	200	78	14,000	12,100 00	1	4
Yale	St. Clair	410	317	200	88	30,000	17,500 00	1	8
Ypsilanti	Washtenaw	1,615	1,089	195	94	70,000	12,000 00	5	30
Yuma	Wexford	99	104	190	61	2,000		1	1
Zeeland	Ottawa	589	438	200	93	7,000		1	10
Zeeland Tp. 4 fr.	Ottawa	108	78	200	79	2,800		1	1
Zuthphen	Ottawa	123	93	199	75	1,000		1	1

TABLE XVI.—Concluded.

Aggregate number of months taught by all teachers.		Total wages of teachers for the year.		Average monthly wages of teachers.		Amount paid for superintendence and instruction.	Total cost of school.	Number of non-resident pupils.	Tuition of non-resident pupils.
Men.	Women.	Men.	Women.	Men.	Women.				
9	17	$495 00	$590 00	$55 00	$34 70	$1,085 00	$2,612 63	3	$13 00
10	20	600 00	750 00	60 00	37 50	1,350 00	2,120 00	10	.....
9	9	450 00	225 00	50 00	25 00	675 00	937 32	7	.....
9	27	450 00	855 00	50 00	31 66	1,305 00	2,364 44	4	11 00
10	19.7	600 00	790 00	60 00	40 10	1,390 00	1,787 34	20	.....
26.5	97	1,963 10	3,671 25	74 07	37 84	5,634 35	7,580 30	49	504 06
10	30	600 00	975 00	60 00	32 50	1,575 00	3,109 78	11	77 90
10	40	800 00	1,400 00	80 00	35 00	2,200 00	3,579 53	13	95 55
9	27	500 00	900 00	55 55	33 33	1,400 00	1,738 64	9	91 70
10	120	1,000 00	4,300 00	100 00	35 83	5,300 00	7,194 73	46	351 40
9.5	56.5	700 00	2,082 50	73 68	36 85	2,782 50	3,532 78	33	361 03
10	30	600 00	900 00	60 00	30 00	1,500 00	2,251 25	16	112 00
9	18	360 00	585 00	40 00	32 50	945 00	1,013 09	.....	.....
18	54	1,210 00	2,007 00	67 22	37 16	3,217 00	6,032 92	43	589 45
.....	19	.....	646 00	.....	34 00	646 00	912 95	.....	.....
10	120	900 00	6,515 00	90 00	54 29	7,415 00	20,618 41	.....	.....
9	18	550 00	540 00	61 11	30 00	1,090 00	1,341 24	6	34 55
9.5	9.5	427 50	275 50	45 00	29 00	703 00	868 08	4	7 50
9	9	405 00	252 00	45 00	28 00	657 00	922 23	13	61 25
8	10	400 00	300 00	50 00	30 00	700 00	790 46	3	.....
.....	10	.....	400 00	.....	40 00	400 00	496 43	6	.....
10	10	550 00	300 00	55 00	30 00	850 00	954 00	10	73 75
18	45	1,260 00	1,800 00	70 00	40 00	3,060 00	4,026 86	24	172 50
10	10	500 00	350 00	50 00	35 00	850 00	984 80	9	46 00
18	18	1,143 00	585 00	63 50	32 50	1,728 00	2,439 77	43	458 50
10	80	1,200 00	3,425 00	120 00	42 81	4,625 00	6,241 93	55	601 65
9	18	540 00	540 00	60 00	30 00	1,080 00	1,547 39	6	26 95
9	9	540 00	360 00	60 00	40 00	900 00	1,192 20	2	1 25
9.5	66.2	750 00	2,646 00	78 94	40 00	3,396 00	7,480 48	24	126 89
.....	17	.....	635 00	.....	37 35	635 00	748 11	8	.....
9	27	540 00	945 00	60 00	35 00	1,485 00	2,416 09	7	14 50
9.5	85.5	800 00	3,092 75	84 21	36 17	3,892 75	5,265 58	13	100 00
10	50	816 00	1,790 00	81 60	35 80	2,606 00	4,286 43	33	373 88
.....	9	.....	225 00	.....	25 00	225 00	341 77	1	.....
20	80	1,500 00	3,100 00	75 00	38 75	4,600 00	6,443 32	53	476 10
.....	20.5	.....	817 50	.....	39 87	817 50	1,062 81	3	.....
.....	9	.....	405 00	.....	45 00	405 00	484 55	.....	.....
9	36	540 00	1,440 00	60 00	40 00	1,980 00	2,718 19	11	59 10
9	18	450 00	630 00	50 00	35 00	1,080 00	1,747 66	24	158 73
9	.....	405 00	.....	45 00	.....	405 00	503 29	.....	.....
10	280	1,300 00	11,888 75	130 00	42 46	13,188 75	20,086 93	13	212 00
10	10	475 00	425 00	47 50	42 50	900 00	1,391 64	1	.....
10	40	775 00	1,400 00	77 50	35 00	2,175 00	6,220 51	29	197 55
10	79.2	900 00	2,976 25	90 00	37 55	3,876 25	23,876 82	24	190 26
50	300	4,700 00	11,683 82	94 00	38 95	16,383 82	22,150 47	54	797 32
9.5	8.8	427 50	309 75	45 00	35 00	737 25	1,551 76	.....	.....
10	100	800 00	3,465 00	80 00	34 65	4,265 00	5,684 87	1	1 20
10	10	550 00	280 00	55 00	28 00	830 00	1,405 25	6	.....
10	10	500 00	280 00	50 00	28 00	780 00	1,250 99	.....	.....

TABLE XVII.

Census, enrollment, attendance, etc., of city and graded village schools

Incorporated cities.	School population from inspector's report.	Enrollment.				Average number belonging.				
		High school department.	Grammar department.	Primary department.	Whole school.	High school department.	Grammar department.	Primary department.	Whole school.	High school department.
Totals for cities.....	296,436	21,749	74,003	134,098	229,850	17,536	50,934	86,226	154,696	16,791
Adrian.....	2,555	242	562	1,165	1,969	211	452	768	1,431	206
Albion.....	1,503	215	301	215	731	192	200	427	879	183
Alma.....	583	89	213	283	585	72	161	217	450	68
Alpena.....	4,113	129	541	1,482	2,152	120	482	1,183	1,785	.....
Ann Arbor.....	3,276	609	§ 1,868	.....	2,477	502	§ 1,684	.....	2,186	482
Au Gres.....	156	.....	27	93	120	.....	22	77	99	.....
Au Sable.....	538	33	133	187	353	30	123	170	323	30
Bad Axe.....	553	87	163	200	450	66	127	144	337	62
Battle Creek.....	4,494	417	1,104	2,365	3,886	377	926	1,835	3,138	369
Bay City.....	13,966	817	1,912	3,910	6,639	474	1,143	2,188	3,805	459
Beaverton.....	333	51	78	215	344	40	50	170	260	33
Belding.....	823	105	219	312	636	89	192	294	575	85
Benton Harbor.....	2,015	183	674	775	1,632	165	592	693	1,450	160
Bessemer.....	1,156	110	274	511	895	108	270	500	878	106
Big Rapids.....	1,242	142	291	546	979	128	267	360	755	124
Cadillac.....	1,919	190	567	1,030	1,787	167	478	760	1,405	161
Charlevoix.....	690	102	239	325	666	85	199	242	526	82
Charlotte.....	950	216	302	498	1,016	182	256	361	799	177
Cheboygan.....	2,281	125	395	936	1,456	112	285	662	1,059	109
Clare.....	492	56	133	230	419	51	114	191	356	45
Coldwater.....	1,236	120	317	679	1,116	101	286	590	977	97
Coleman.....	437	45	119	250	414	43	101	195	339	37
Corunna.....	428	58	96	248	402	55	87	184	326	54
Croswell.....	373	63	89	152	304	56	74	141	271	52
Crystal Falls.....	1,191	88	358	820	1,266	72	230	511	813	70
Detroit.....	87,737	3,846	20,890	*44,296	69,032	2,702	10,958	*21,735	35,395	2,596
Dowagiac.....	1,190	135	359	683	1,177	120	307	449	876	116
East Tawas.....	558	50	166	270	486	48	160	250	458	47
Eaton Rapids.....	476	100	157	202	459	85	145	150	380	79
Escanaba.....	3,715	217	891	1,664	2,772	186	599	1,095	1,880	179
Flint.....	3,570	373	1,253	1,643	3,269	333	789	1,130	2,252	319
Gladstone.....	983	65	261	530	856	56	205	454	715	55
Gladwin.....	359	48	38	82	168	40	34	63	137	36
Grand Haven.....	1,594	129	541	*590	1,260	112	400	* 484	996	110
Grand Ledge, 9 fr.....	257	66	99	111	276	62	96	100	258	57
Grand Ledge, 11 fr.....	243	.....	82	133	215	.....	74	114	188	.....
Grand Rapids.....	26,669	1,673	7,671	12,796	22,140	1,189	4,381	7,332	12,902	1,158
Greenville.....	925	163	340	390	893	138	298	290	726	131
Hancock.....	1,965	132	420	1,273	1,825	111	229	608	948	109
Harrison.....	188	26	71	41	138	23	69	38	130	22
Harrisville.....	179	19	47	85	151	19	45	80	144	17
Hastings.....	801	154	196	294	644	140	181	272	593	138
Hillsdale.....	1,110	225	312	448	985	198	272	315	785	193
Holland.....	2,562	152	632	1,105	1,889	132	510	860	1,502	130
Hudson.....	590	112	173	282	567	98	138	182	418	94
Ionia.....	1,460	150	368	700	1,218	112	210	415	737	109
Iron Mountain.....	3,284	130	860	1,917	2,907	121	688	1,519	2,328	115
Ironwood.....	3,328	176	841	1,745	2,762	169	775	1,300	2,244	165
Ishpeming.....	3,894	301	896	2,023	3,220	245	820	1,745	2,810	240
Jackson.....	5,804	453	1,647	2,980	5,080	333	1,013	1,863	3,209	325

§ Includes both grammar and primary department.
* Includes kindergarten.

TABLE XVII.

as reported by superintendents for the school year 1904-1905.

Average daily attendance.			Percentage of attendance.				Number of regular teachers employed.								Portion of superintendent's time devoted to supervision.	No. of special teachers.
							High school department.		Grammar department.		Primary department.		Whole school.			
Grammar department.	Primary department.	Whole school.	High school department.	Grammar department.	Primary department.	Whole school.	Men.	Women.	Men.	Women.	Men.	Women.	Men.	Women.		
48,068	79,543	144,402	95	93	91	92	252.4	507.9	72.9	1,466.7	14.2	2,268.4	405.0	4,164.0	.....	151.5
417	709	1,332	98	93	92	93	3	6	....	13	....	22	4	41	All	2
242	436	861	92	93	94	93	3.2	3	....	7	....	11	4	21	5-6	3
152	205	425	95	95	94	94	.5	2	....	4	....	7	1	13	1-2	1
.....	.....	.....	....	....	....	....	2	3	....	14	....	25	3	42	All	2
§1,617	.....	2,099	96	§96	....	96	8.3	12	.7	§ 46	....	.....	10	58	All	4
18	50	68	....	72	52	62	.....	.....	1	.....	....	1	1	1	.....	.....
108	142	280	93	90	85	89	1.8	.....	....	3	....	4	2	7	1-4	.....
118	126	306	90	84	85	86	.6	2	....	4	....	4	1	10	2-5	.....
884	1,742	2,995	98	95	95	95	4	10	3	25	....	54	8	89	All	5
1,125	2,136	3,720	96	98	98	98	8.1	12	.3	37	.6	67	10	116	All	5
44	133	210	83	88	78	81	.8	1	1	1	1	2	3	4	1-5	.....
188	290	563	94	90	92	92	.5	3	....	7	....	9	1	19	1-2	1
490	525	1,175	96	97	94	96	2	5	1	10	....	17	4	32	All	1
258	470	834	96	94	92	94	2	4	....	8	....	12	2	25	All	1
249	351	724	98	96	95	96	1.2	5	....	8	....	11	2	24	3-4	1
448	702	1,311	96	95	92	94	.....	6	....	13	....	17	1	36	All	1
187	229	498	96	94	94	95	1	4	....	6	....	8	2	18	All	1
244	342	763	96	96	95	95	.1	6	....	7	....	10	1	23	6-7	1.5
271	602	982	98	95	91	95	2	2	....	7	....	16	3	25	All	1
96	151	292	93	90	86	90	1.5	2	....	3	....	4	2	9	1-2	.....
277	561	935	98	96	95	96	3	3	....	10	....	15	4	28	All	1
88	162	287	86	88	80	84	1.8	1	....	2	....	3	2	6	1-4	.....
84	176	314	98	97	96	96	.5	2	....	3	....	5	1	10	1-2	1
72	135	259	93	92	93	93	.8	1	....	2	....	3	1	6	1-4	.....
218	476	764	96	95	93	94	.4	3	....	5	....	14	1	22	2-3	1
10,556	*20,609	33,761	96	96	95	95	40	86	26	361	5	* 547	72	994	All	5
301	444	861	98	97	95	97	2.3	2	1	8	....	11	4	21	5-7	1
156	240	443	98	97	96	96	.5	1	....	3	....	5	1	9	1-2	.....
136	140	355	92	93	93	93	1.5	2	....	4	....	5	2	11	1-2	1
571	1,070	1,820	96	95	94	95	2	6	....	14	1	23	4	43	All	4
737	1,047	2,103	96	93	92	94	2	12	....	23	....	30	3	65	All	3
201	440	696	98	98	96	97	.6	2	....	5	....	10	1	17	3-7	.....
33	50	119	84	91	61	79	1	.....	....	1	....	1	1	2	.....	.....
390	* 476	976	98	97	98	97	2.1	4	....	10	....	12	3	* 29	6-7	1
83	85	225	91	87	84	87	1.8	2.3	....	2.2	....	2.5	2	7	1-4	1
61	49	110	....	82	85	84	.....	.....	1	2	....	2	1	4	.....	.....
4,158	6,939	12,255	96	95	94	95	14.7	30	7.7	143.3	2.6	223.7	26	397	All	4
242	230	603	95	81	79	83	2.5	3.5	....	6.8	....	8.7	3	19	5-12	2
225	594	928	97	98	98	98	3.1	4	....	5	....	13	4	22	6-7	.....
65	34	121	92	88	90	90	1	.....	1	.....	....	2	2	2	.....	.....
37	62	116	90	91	93	92	1	.....	....	1	....	2	1	3	.....	.....
176	264	578	98	97	97	97	2.5	4	....	6	....	8	3	18	4-7	2
243	311	747	96	96	95	96	1.4	5	....	7	....	9	2	21	3-5	3
495	819	1,444	98	96	95	96	2	4	....	11	....	20	3	35	All	2
131	176	401	96	95	96	96	1.5	3	....	4	....	7	2	14	4-7	.....
209	411	729	98	99	96	97	.2	7	....	10	....	12	1	29	3-4	2
648	1,443	2,206	95	94	95	95	3	2	1.7	19	.3	33	6	54	All	3
765	1,127	2,057	97	98	86	92	3	3	....	22	....	35	4	60	All	3
812	1,739	2,791	98	97	97	97	5	7	....	16	....	50	6	73	All	5
974	1,781	3,080	98	96	96	97	4	10	2	30	....	51	7	91	All	2

TABLE XVII.—CONTINUED.

Incorporated cities.	School population from inspector's report.	Enrollment.				Average number belonging.				
		High school department.	Grammar department.	Primary department.	Whole school.	High school department.	Grammar department.	Primary department.	Whole school.	High school department.
Kalamazoo	7,189	642	1,740	2,960	5,342	476	1,523	2,293	4,292	464
Lansing	4,843	457	1,105	1,907	3,469	401	903	1,420	2,724	438
Lapeer	668	152	283	431	866	130	203	245	578	122
Ludington	2,515	180	564	990	1,734	164	467	822	1,453	156
Mackinac Island	225	25	50	90	165	20	40	80	140	.....
Manistee	4,359	296	691	1,494	2,481	254	564	1,248	2,066	239
Manistique	1,521	118	530	949	1,597	88	326	435	849	85
Marine City	1,197	68	194	385	647	59	170	325	554	57
Marquette	3,218	191	578	1,143	1,912	168	474	892	1,534	164
Marshall	953	197	294	291	782	171	247	256	674	165
Mason	423	90	136	223	449	82	101	169	352	78
Menominee	3,856	215	1,187	1,688	3,090	182	702	1,392	2,276	177
Midland	710	100	210	410	720	84	158	290	532	78
Monroe	1,661	102	310	434	846	95	230	330	655	90
Mt. Clemens	2,175	202	272	764	1,238	167	200	750	1,177	162
Mt. Pleasant	1,073	181	150	248	579	158	124	169	451	154
Muskegon	6,814	654	2,016	* 3,006	5,676	477	1,239	* 1,876	3,592	457
Muskegon Heights	317	17	96	130	243	15	80	99	194	14
Negaunee	2,206	166	535	979	1,680	105	356	745	1,206	101
Niles	1,200	142	375	578	1,095	125	309	459	893	121
North Muskegon	152	.....	38	80	118	.....	37	75	112	.....
Norway	1,593	79	227	749	1,055	75	199	631	905	74
Omer	204	15	36	47	98	13	28	30	71	.....
Onaway	724	36	147	391	574	31	95	357	483	30
Owosso	2,471	203	637	1,165	2,005	178	482	876	1,536	170
Petoskey	1,559	119	344	707	1,170	100	300	476	876	96
Pontiac	2,293	220	547	1,106	1,873	210	483	874	1,567	202
Port Huron	5,722	361	1,093	2,060	3,514	352	966	1,628	2,946	349
Rose City	277	31	52	160	243	26	47	129	202	24
Saginaw	8,246	625	1,924	2,574	5,123	529	1,548	2,029	4,106	512
Saginaw, W. S.	5,650	266	985	2,090	3,341	245	971	1,884	3,100	222
St. Clair	739	76	200	303	579	67	162	236	465	65
St. Ignace	676	50	183	235	468	41	170	171	382	40
St. Johns	910	163	326	458	947	145	263	310	718	142
St. Joseph	1,485	115	290	561	966	111	279	534	924	110
St. Louis	636	90	255	569	914	75	146	256	477	71
Sandusky	298	58	67	146	271	.....	.....	.....	.....	55
Sault Ste. Marie	3,423	234	1,132	1,231	2,597	221	882	997	2,100	213
South Haven	1,013	177	326	573	1,076	148	244	395	787	147
Standish	458	41	149	335	525	33	105	203	341	28
Stanton	378	73	89	157	319	63	73	126	262	59
Sturgis	636	66	158	334	558	59	128	252	439	58
Tawas City	513	32	119	167	318	29	101	137	267	27
Three Rivers	999	250	§ 615	.....	865	227	§ 481	.....	708	220
Traverse City	2,890	322	924	1,750	2,996	286	632	1,015	1,933	259
West Bay City	‡.....	185	663	1,706	2,554	159	544	1,211	1,914	154
West Branch	521	68	155	254	477	64	143	211	418	62
Wyandotte	2,087	96	358	632	1,086	86	316	593	995	81
Yale	410	41	125	150	316	40	122	145	307	37
Ypsilanti	1,615	275	337	598	1,210	232	254	444	930	223

‡ Now included in Bay City.
§ Includes both grammar and primary department.
* Includes kindergarten.

TABLE XVII.—CONTINUED.

Average daily attendance.			Percentage of attendance.				Number of regular teachers employed.								Portion of superintendent's time devoted to supervision.	No. of special teachers.
							High school department.		Grammar department.		Primary department.		Whole school.			
Grammar department.	Primary department.	Whole school.	High school department.	Grammar department.	Primary department.	Whole school.	Men.	Women.	Men.	Women.	Men.	Women.	Men.	Women.		
1,465	2,096	4,025	97	96	91	94	4.8	16	1.5	39	.7	47	8	102	All	9
856	1,332	2,574	96	98	94	95	5	10	1	26	....	41	7	77	All	2
185	228	535	94	90	93	92	.5	6	....	5	....	7	1	18	1-2	1
451	790	1,397	95	96	96	96	2.2	5	....	14	....	23	3	42	4-5	2
.....	.....	.....	90	93	89	91	.8	1	....	1	....	1	1	3	1-6	.....
540	1,180	1,959	96	96	95	96	3	9	....	18	....	41	4	68	All	2
308	404	797	97	94	93	93	2	2	.5	9	.5	13	4	24	2-3	1
160	283	500	95	95	92	94	1.7	2	....	3	....	10	2	15	2-7	1
444	856	1,464	97	93	96	95	2	6	....	12	1	28	4	46	All	4
242	245	652	96	98	96	97	2.2	5	....	8	....	9	3	22	5-6	2
98	157	333	95	97	92	95	.5	4	1	2	....	4	2	10	1-2	2
658	1,311	2,146	97	93	93	94	4.2	4	....	17	....	32	5	53	4-5	3
143	256	477	93	90	88	90	1.4	2	....	4.5	....	7.5	2	14	4-7	.....
220	264	574	93	88	87	89	2.3	4	....	6	....	8	3	18	2-3	2
225	734	1,121	98	95	97	96	3.1	4	....	7	....	* 21	4	32	9-10	2
108	147	409	93	92	90	92	2.3	4	....	4	....	5	3	13	5-7	1
1,191	* 1,769	3,417	95	95	94	94	6	11	....	34	....	* 54	7	99	All	4
75	91	180	96	94	92	93	.8	1	....	2	....	3	1	6	1-4	.....
336	675	1,112	96	94	95	95	1	5	....	9	....	17	2	31	All	1
294	429	844	97	95	96	96	1.1	4	....	7	....	12	2	23	9-10	1
24	51	75	....	65	68	67	.....	.....	1	.....	....	1	1	1	.....	.....
189	606	869	99	95	96	96	2.3	3	....	3	....	15	3	21	2-3	1
.....	.....	.....	83	78	64	75	1	.....	....	1	....	2	1	3	.....	.....
92	342	464	97	97	96	96	1.7	2	....	2	....	6	2	10	1-3	.....
461	819	1,450	95	95	93	94	3	5	1	12	....	24	5	41	All	2
272	474	842	96	95	95	95	2	3	....	12	....	15	3	30	All	1
437	845	1,484	96	94	93	93	2	6	....	13	....	24	3	43	All	2
944	1,467	2,760	98	97	90	95	2	9	.5	27	.5	42	4	78	All	1
36	93	153	92	76	72	75	1	.....	....	1	....	3	1	4	.....	.....
1,473	1,798	3,783	97	94	96	96	7	15	7	47	....	66	15	128	All	3
940	1,437	2,599	90	97	76	83	2	8	1	25	....	39	4	72	All	4
156	223	444	97	96	95	95	.5	3	1	3.5	....	5.5	2	12	1-2	1
165	168	373	97	96	97	96	1.9	1	....	4	....	3	2	8	1-10	.....
255	295	692	98	97	95	96	1.3	4	....	8	....	9	2	21	5-7	2
266	510	886	99	95	95	96	3.2	2	....	8	....	16	4	26	5-6	2
133	217	421	94	92	87	92	1.3	3	....	4	....	7	2	14	3-4	1
48	107	210	....	....	....	73	.9	1	....	1	....	2	1	4	1-10	.....
861	954	2,028	97	98	98	98	4	4	5	14	1	26	11	44	All	4
241	366	754	99	97	93	95	1.3	4.1	1	6.9	....	9	3	20	5-7	1
102	180	310	86	98	90	91	1.5	1	....	3	....	3	2	7	1-2	.....
63	108	230	94	91	90	92	.5	2	....	2	....	3	1	7	1-2	.....
122	241	421	98	95	98	96	1.4	1	....	4	....	7	2	12	4-7	1
95	127	249	93	93	92	93	.8	1	....	2.5	....	3.5	1	7	1-5	.....
§ 457	.....	677	97	§95	....	96	2.2	6	....	§ 16	....	.....	3	22	7-8	1
610	960	1,829	97	96	94	94	4	6	1	21	....	25	6	52	All	2
521	1,155	1,830	98	96	95	96	4	3	3	19	....	33	8	55	All	1
136	194	392	96	95	91	94	.9	1	....	2	....	4	1	7	1-8	.....
313	574	968	94	99	97	96	.....	4	....	7	....	17	1	28	All	1
118	135	290	90	....	....	....	.8	2	....	3	....	3	1	8	1-4	.....
239	419	881	96	94	94	95	3.2	5	....	8	....	13	4	26	5-6	3

TABLE XVII.—CONTINUED.

Incorporated villages.	School population from inspector's report.	Enrollment.				Average number belonging.				Average daily attendance.			
		High school department.	Grammar department.	Primary department.	Whole school.	High school department.	Grammar department.	Primary department.	Whole school.	High school department.	Grammar department.	Primary department.	Whole school.
Addison	187	48	42	110	200	41	36	87	164	38	30	65	133
Alanson	226	14	92	117	223	14	90	100	204	12	55	58	125
Algonac	462	41	37	223	361	30	73	183	286	27	66	165	258
Allegan	742	172	231	243	646	156	219	228	603	148	204	211	563
Almont	238	45	60	127	232	41	50	93	184	40	46	84	170
Applegate	83	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Armada	256	68	78	102	248	60	66	93	219	58	62	81	201
Ashley	222	45	53	56	154	39	44	45	128	33	36	34	103
Athens	180	43	55	73	171	35	49	55	139	35	48	54	137
†Atlanta	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Attica	104	19	25	52	96	13	22	32	67	12	19	30	61
Augusta	167	45	28	88	161	44	27	86	157	40	20	70	130
Baldwin	154	10	51	89	150	8	49	84	141	6	35	72	113
Bancroft	182	34	57	68	159	29	45	61	135	28	42	58	128
Bangor	366	89	110	210	409	82	100	190	372	76	91	171	338
Baraga	980	21	204	350	575	19	190	297	506	17	172	242	431
Bear Lake	171	42	56	72	170	42	56	72	170	32	48	52	132
Bellaire	450	49	117	224	390	44	99	190	333	43	83	182	308
Belleville	162	41	46	62	149	34	44	58	136	32	37	49	118
Bellevue	258	44	79	77	200	44	79	75	198	42	76	69	187
Benzonia	227	30	83	55	168	26	68	50	144	20	60	42	122
Berrien Springs	188	39	55	90	184	38	49	73	160	36	45	69	150
Birmingham	364	97	125	185	407	93	120	184	397	91	108	164	363
Blissfield, 1 fr.	182	52	47	71	170	46	37	58	141	42	35	45	122
Blissfield, 2 fr.	228	36	90	120	246	30	70	84	184	27	61	80	168
Bloomingdale	160	69	36	50	155	62	32	42	136	55	31	36	122
Boardman	169	36	51	71	158	30	35	65	130	25	29	60	114
Boyne City	918	47	233	430	710	43	181	338	562	41	167	305	513
Boyne Falls	219	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Breedsville	94	.....	37	35	72	.....	30	32	62	.....	24	28	52
Brighton	202	46	68	90	204	42	59	72	173	40	59	69	168
Britton	127	38	28	41	107	38	28	41	107	34	25	34	93
Bronson	285	58	74	101	233	52	72	96	220	50	68	86	204
Brooklyn	145	45	55	61	161	40	53	54	147	36	49	51	136
Brown City	225	34	62	123	219	32	53	107	192	24	38	84	146
Buchanan	412	71	155	210	436	61	94	126	281	58	85	114	257
Burlington	86	38	25	27	90	31	23	26	80	25	22	20	67
Burr Oak	157	40	53	88	181	37	52	88	177	33	48	85	166
Byron	117	16	52	66	134	14	45	57	116	13	38	44	95
Caledonia	162	53	62	38	153	48	60	34	142	43	55	28	126
Camden	122	26	21	61	108	26	21	61	108	20	20	57	97
Capac	247	40	122	70	232	37	108	48	193	33	99	46	178
Caro	565	145	150	315	610	129	121	220	470	125	118	198	441
Carson City	302	61	104	90	255	52	101	84	237	50	96	77	223
Carsonville	207	28	62	88	178	28	62	88	178	.....	.....	.....	.....
Caseville	243	40	49	91	180	31	36	62	129	29	32	53	114
Casnovia	104	30	42	44	116	28	40	39	107	26	37	36	99
Cass City	451	121	99	237	457	98	79	177	354	91	79	177	347
Cassopolis	296	57	125	148	330	48	102	141	291	46	102	131	279
Cedar Springs	259	70	102	106	278	61	80	83	224	59	69	91	219

† Not legally graded.

TABLE XVII.—CONTINUED.

Percentage of attendance.				Number of regular teachers employed.								Portion of superintendent's time devoted to supervision.	No. of special teachers.
				High school department.		Grammar department.		Primary department.		Whole school.			
High school department.	Grammar department.	Primary department.	Whole school.	Men.	Women.	Men.	Women.	Men.	Women.	Men.	Women.		
90	83	74	82	1.9	.....	.....	1	.....	2	2	3	1-10	.....
86	60	58	61	1	.....	.....	2	.....	2	1	4	.....	.....
92	91	90	91	.8	1	.....	2	.....	5	1	8	1-6	.....
95	93	92	93	2.5	3	.....	5	.....	8	3	16	1-2	2
97	92	91	93	.9	1	.....	2	.....	3	1	6	1-8	.....
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
96	95	87	93	.8	1	.....	2	.....	2	1	5	1-5	.....
84	82	75	80	.9	.....	.....	1	.....	1	1	2	1-10	.....
98	98	98	98	.9	1	.....	1	.....	2	1	4	1-20	.....
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
92	86	93	90	1	.....	.....	.....	.....	1	1	1	.....	.....
90	74	81	82	1.8	.....	.....	2	.....	2	2	4	1-5	.....
75	72	86	80	.5	.....	.5	.5	.....	1.5	1	2	.....	.....
95	92	94	94	.9	.8	.....	1.9	.....	1.3	1	4	1-8	.....
93	91	90	91	1.8	1	1	1	.....	3	3	5	1-4	.....
90	90	81	87	.6	1	1	3	.....	6	2	10	2-5	.....
78	86	72	79	1	.....	.....	1	.....	1	1	2	.....	.....
97	91	88	92	.9	1	.....	3	.....	4	1	8	1-12	.....
93	85	91	90	.9	.....	.....	1	.....	1	1	2	1-12	.....
95	96	92	94	.7	2	.....	2	.....	2	1	6	1-4	1
80	88	84	84	.8	1	.....	1.5	.....	1.5	1	4	1-4	.....
97	95	94	95	.8	1	.....	2	.....	2	1	5	1-6	.....
96	90	89	91	.6	2	.....	3	.....	3	1	8	3-7	.....
89	92	91	90	1	1	.....	1	.....	1	1	3	.....	.....
90	87	95	91	1	.....	.....	2	.....	2	1	4	.....	.....
88	96	85	89	.9	1	.....	1	.....	1	1	3	1-10	.....
92	88	92	93	1	.....	.....	1	.....	2	1	3	.....	.....
95	92	90	92	.5	2.5	.....	5	.....	6.5	1	14	1-2	.....
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
.....	80	87	84	.....	.....	1	.....	.....	1	1	1	.....	.....
96	93	95	95	1	1	.....	2	.....	2	1	5	.....	.....
89	89	84	87	1	.....	.....	1	.....	1	1	2	.....	.....
97	93	90	93	.7	2	.....	2.5	.....	2.5	1	7	1-3	.....
91	92	94	92	.9	1	.....	1.7	.....	1.3	1	4	1-10	.....
80	76	82	80	1	.....	.....	1	.....	2	1	3	.....	.....
95	89	86	90	1.6	2	.....	4	.....	4	2	10	3-7	1
79	78	80	78	1	.....	1	.....	.....	1	2	1	.....	.....
89	92	96	93	.7	2	.....	2	.....	2	1	6	3-10	.....
93	84	72	83	1	.....	.....	1.3	.....	1.7	1	3	.....	.....
89	91	82	88	1	.....	1	1	.....	1	2	2	.....	.....
77	95	93	90	1	.....	.....	1	.....	2	1	3	.....	.....
83	88	96	93	.8	1	1	1	.....	1	2	3	1-4	.....
97	98	90	94	2.5	2	.....	4	.....	5	3	11	1-2	2
96	95	90	94	.8	2	.....	3	.....	2	1	7	1-5	.....
.....	.....	.....	.....	1	.....	.....	1	.....	1	1	2	.....	.....
94	88	85	89	.8	.....	.....	1	.....	1	1	2	1-5	.....
94	92	92	93	1	.....	.....	1	.....	1	1	2	.....	.....
93	99	99	96	.8	2	.....	2	.....	4	1	8	1-5	1
96	96	92	94	6	2	.....	4	.....	2	1	8	3-8	.....
97	86	88	90	.9	2	.....	2	.....	2	1	6	.....	.....

TABLE XVII.—CONTINUED.

Incorporated villages.	School population from inspector's report.	Enrollment.				Average number belonging.				Average daily attendance.			
		High school department.	Grammar department.	Primary department.	Whole school.	High school department.	Grammar department.	Primary department.	Whole school.	High school department.	Grammar department.	Primary department.	Whole school.
Central Lake	370	48	132	193	373	35	98	123	256	30	85	115	230
Centreville	164	30	50	68	148	26	45	51	122	24	43	49	116
Chelsea	483	92	149	249	490	85	127	189	401	83	122	178	383
Chesaning	340	62	119	154	325	53	91	103	247	52	85	98	235
Clarkston	150	36	43	52	131	33	40	46	119	31	37	40	108
Clayton	98	38	33	28	99	27	29	28	84	25	26	18	69
†Clifford													
Climax	142	29	45	49	123	24	38	44	106	23	30	41	94
Clinton	245	60	71	86	217	55	64	82	201	54	61	63	178
Clio	169	47	60	76	183	42	47	60	149	39	45	48	132
Coloma	219	37	82	108	227	36	78	98	212	32	69	78	179
Colon	221	38	73	76	187	31	59	73	163	29	54	66	149
Columbiaville	152	31	35	81	147	22	27	60	109	20	25	57	102
Concord	123	55	34	46	135	47	27	44	118	32	26	40	98
Constantine	273	72	83	119	274	68	76	101	245	67	72	98	237
Coopersville	210	67	43	104	214	60	38	84	182	55	35	80	170
Copemish	131	33	31	52	116	32	30	45	107	31	29	40	100
†Croton													
Custer	128	2	49	61	112	2	49	61	112				73
†Daggett													
Dansville	101	40	27	45	112	38	23	37	98	36	20	34	90
Davison	215	52	74	100	226	44	63	79	186	43	61	76	180
Dearborn	354	27	124	135	286	25	120	130	275	21	115	120	256
Decatur	359	69	97	194	360	58	85	143	286	55	78	130	263
Deckerville	184	31	53	65	149	31	53	65	149	29	35	35	99
Deerfield	181	20	65	87	172	20	65	87	172	16	47	60	123
Delray	1,755	70	609	741	1,420	66	550	710	1,326	60	520	615	1,195
Detour	372	20	50	150	220	20	48	130	198	18	43	121	182
Dexter	270	66	93	94	253	61	88	88	237	59	85	78	222
Douglas	184	11	56	61	128	10	50	50	110	9	44	44	97
Dryden	107	33	40	55	128	25	35	53	113	21	30	44	95
Dundee	324	53	92	142	287	42	73	105	220	39	66	90	195
Durand	427	59	191	329	579	49	144	212	405	48	139	197	384
†Eagle													
East Grand Rapids	136												
East Jordan	702	98	98	261	457	79	77	157	313	73	72	147	292
Eau Claire	142	32	46	68	146	25	34	52	111	22	30	44	96
Ecorse	402	9	52	128	189	9	48	115	172	8	40	92	140
Edmore	270	46	75	97	218	32	62	86	180	28	59	84	171
Elk Rapids	568	76	161	263	500	68	143	239	450	65	132	226	423
Elkton	307	36	91	131	258	34	82	110	226	32	67	84	183
Elsie	205	41	84	94	219	32	71	65	168	31	64	63	158
†Emmet													
Empire	235	54	45	84	183	49	40	80	169	40	35	71	146
Essexville	550		66	81	147		63	77	140		62	70	132
Evart	466	78	139	182	399	65	113	125	303	64	106	122	292
†Fairgrove													
†Fairview													
Farmington	178	26	62	75	163	25	58	64	147	24	47	48	119
Farwell	270	56	66	88	210	45	60	70	175	37	48	60	145
Fennville	247	60	61	107	228	51	52	72	175	47	46	65	158
Fenton	577	114	185	310	609	98	166	211	475	96	160	193	449
Fife Lake	135	41	37	52	130	31	26	47	104	29	22	41	92
Flushing	215	44	64	111	219	44	59	87	190	36	55	82	173
Ford	400		59	218	277		54	101	155				

† Not legally graded.
‡ Includes both grammar and primary department.
* Includes kindergarten.

TABLE XVII.—CONTINUED.

Percentage of attendance.				Number of regular teachers employed.								Portion of superintendent's time devoted to supervision.	No. of special teachers.
				High school department.		Grammar department.		Primary department.		Whole school.			
High school department.	Grammar department.	Primary department.	Whole school.	Men.	Women.	Men.	Women.	Men.	Women.	Men.	Women.		
85	87	93	90	.8	1.5	.....	2.5	.....	3	1	7	1-4	1
91	95	95	94	.8	1	.....	2	.....	2	1	5	1-5	.....
96	96	95	95	.7	3	.....	4	.....	5	1	12	1-3	2
98	94	95	96	.7	2.5	.....	2.5	.....	2	1	7	1-3	.....
94	92	87	90	1	1	.....	1	.....	1	1	3	.....	.....
92	90	64	82	1	.....	.....	1	.....	1	1	2	.....	.....
96	80	90	88	.9	.3	.....	1.3	.....	1.4	1	3	1-10	.....
98	95	80	91	.9	2	.....	2	.....	2	1	6	1-10	.....
92	96	80	89	.9	1	.....	2	.....	2	1	5	1-7	.....
89	88	79	85	.8	1	.....	2	.....	2	1	5	1-5	.....
95	91	90	92	.8	2	.....	2	.....	2	1	6	1-6	.....
90	92	95	93	.8	1	.....	1	.....	2	1	4	1-5	.....
70	97	90	86	.9	1	1	.....	.....	2	2	3	1-8	.....
99	94	97	97	.7	2.5	.....	2.5	.....	3	1	8	1-4	.....
94	96	95	95	1	1	.....	1	.....	2	1	4	.....	.....
97	96	88	93	.....	1	.....	1	.....	1	.....	3	.....	.....
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
.....	.....	.....	65	1	.....	.....	.....	.....	1	1	1	.....	.....
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
95	90	91	92	1.2	.....	.8	.5	.....	1.5	2	2	.....	.....
96	97	96	97	1.5	.....	.5	1.5	.....	2.5	2	4	.....	.....
84	95	92	90	.8	1	.....	2	.....	2	1	5	1-5	1
94	93	91	92	.9	2	1	1	.....	3	2	6	1-8	.....
93	66	53	70	1	.....	.....	1	.....	1	1	2	.....	.....
80	72	70	74	1	.....	.....	2	.....	2	1	4	.....	.....
80	94	86	87	.....	.....	.....	.....	.....	.....	5	36	All	3
90	89	93	90	1	.....	.....	2	.....	4	1	6	.....	.....
95	96	95	95	.7	2	.....	2	.....	2	1	6	2-7	.....
90	88	88	89	1	.....	.....	1	.....	1	1	2	.....	.....
85	86	83	85	1	.....	.....	1	.....	1	1	2	.....	.....
93	90	87	90	.5	2	.....	3	.....	3	1	8	1-2	1
97	96	93	95	1.5	2	1	3	.....	5	3	10	1-2	.....
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
93	94	94	93	.5	2	.....	2	.....	4	1	8	1-2	.....
90	88	85	87	.9	.....	.....	1	.....	2	1	3	1-10	.....
95	87	89	90	.8	.....	.....	2	.....	2	1	4	1-5	.....
95	89	95	93	1	.....	.....	1.5	.....	2	1	*4	.....	.....
91	91	92	91	.5	2	.....	4	.....	8	1	14	1-2	.....
94	81	76	83	1	.....	.....	2	.....	2	1	4	.....	.....
95	90	91	92	.....	1	.....	2	.....	2	.....	5	.....	.....
81	87	88	85	1	.....	.....	1	.....	2	1	3	.....	.....
.....	98	90	94	.....	.....	.9	1	.....	2	1	3	1-10	1
97	93	97	96	1.5	2	.....	4	.....	4	2	10	1-2	.....
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
98	88	85	90	1	.....	.....	1	.....	1	1	2	.....	1
81	80	85	83	.9	.....	.....	2	.....	2	1	4	1-10	.....
92	88	90	90	1	1	.....	1	.....	2	1	4	.....	.....
98	96	92	95	1.7	2	.....	4	.....	6	2	12	1-3	1
93	85	85	88	.9	.....	.....	1	.....	1	1	2	1-8	.....
85	93	94	91	1.9	.....	.....	2	.....	2	2	4	3-20	.....
.....	.....	.....	56	.....	.....	1	.....	.....	4	1	4	.....	1

TABLE XVII.—Continued.

Incorporated villages.	School population from inspector's report.	Enrollment.				Average number belonging.				Average daily attendance.			
		High school department.	Grammar department.	Primary department.	Whole school.	High school department.	Grammar department.	Primary department.	Whole school.	High school department.	Grammar department.	Primary department.	Whole school.
Forestville	108	.....	29	47	76	.....	.....	.....	.....	.....	.....	.....	.....
†Fowler	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Fowlerville	296	72	85	79	236	61	64	43	168	59	60	40	159
†Frankenmuth	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Frankfort	618	52	226	306	584	51	159	253	463	48	145	241	434
†Fraser	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Fremont	444	84	125	226	435	74	100	166	340	60	98	153	311
Fruitport	134	.....	35	73	108	.....	21	50	71	.....	17	46	63
Gagetown	162	.....	48	47	95	.....	32	36	68	.....	25	28	53
Gaines	102	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Galesburg	146	74	46	49	169	70	46	49	165	64	44	47	155
Galien	175	26	70	61	157	23	65	51	139	22	58	47	127
†Garden	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Gaylord	550	38	132	285	455	38	99	226	363	31	94	182	307
†Glenwood	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Gobleville	196	54	33	97	184	42	26	76	144	.....	.....	.....	.....
Grandville	227	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Grant	111	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Grass Lake	195	63	41	40	144	52	38	30	120	47	37	28	112
Grayling	498	35	134	223	392	32	120	200	352	30	108	188	326
†Grosse Pointe	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Grosse Pointe Farms	296	.....	26	81	107	.....	19	65	84	.....	15	52	67
Hamtramck	137	.....	72	335	407	.....	68	232	300	.....	60	206	266
Hanover	108	53	41	44	138	45	35	34	114	42	33	32	107
Harbor Beach	463	55	100	196	351	50	88	174	312	48	86	152	286
Harbor Springs	518	55	58	296	409	50	45	285	380	47	40	193	280
Harrietta	145	27	54	63	144	16	45	55	116	14	42	50	106
Hart	470	89	140	235	464	76	112	153	341	71	105	142	318
Hartford	350	72	145	142	359	70	126	107	303	57	114	102	273
Hersey	149	20	43	50	113	20	41	49	110	18	37	43	98
Hesperia	187	41	74	80	195	30	50	60	140	28	49	57	134
Highland Park	215	.....	68	76	144	.....	61	69	130	.....	57	63	120
†Hillman	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Holly	428	83	84	182	349	73	74	141	288	68	68	130	266
Homer	245	87	77	97	261	79	74	94	247	77	72	92	241
Houghton	1,850	108	325	841	1,274	105	268	648	1,021	103	256	617	976
Howard City	428	45	120	199	364	40	96	129	265	37	92	118	247
Howell	591	147	178	260	585	140	164	225	529	135	152	205	492
Hubbardston	148	25	32	48	105	23	27	38	88	22	25	35	82
‖Hubbell	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Imlay City	392	69	105	155	329	63	91	140	294	59	84	133	276
Iron River	516	33	172	241	446	30	132	210	372	27	107	195	329
Ithaca	583	88	141	300	529	77	114	237	428	74	105	213	392
Jerome	85	.....	21	42	63	.....	.....	.....	46	.....	.....	.....	36
Jonesville	325	60	94	167	321	55	75	140	270	54	74	131	259
Kalkaska	392	66	61	273	400	54	48	187	289	51	45	172	268
†Kinde	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Kingsley	193	45	55	76	176	37	46½	63	146	30	33	47	110
Kingston	142	.....	66	70	136	.....	62	67	129	.....	52	60	112
Laingsburg	170	30	42	62	134	28	40	55	123	25	38	50	113
Lake Ann	87	.....	33	55	88	.....	28½	42	70	.....	24	36	60
Lake City	245	33	32	182	247	22	30	161	213	21	29	139	189
Lake Linden	1,822	163	205	512	880	157	176	407	740	156	174	396	726
Lake Odessa	343	66	112	174	352	54	106	140	300	49	97	129	275
Lakeview	319	69	105	170	344	59	92	123	274	.....	.....	102	233

'ot legally graded.
eport included in Lake Linden.

TABLE XVII.—Continued.

Percentage of attendance.				Number of regular teachers employed.								Portion of superintendent's time devoted to supervision.	No. of special teachers.
				High school department.		Grammar department.		Primary department.		Whole school.			
High school department.	Grammar department.	Primary department.	Whole school.	Men.	Women.	Men.	Women.	Men.	Women.	Men.	Women.		
.....	.....	.....	....	.....	.....	1	.....	.....	1	1	1	.....	.....
.....	.....	.....	....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
97	92	92	94	.7	2	.....	2	.....	2	1	6	2-7	1
.....	.....	.....	....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
94	91	95	93	.5	2	.....	4	.....	6	1	12	1-2	1
.....	.....	.....	....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
81	98	92	90	1.5	2	.....	3	.....	4	2	9	1-2	.....
.....	80	92	86	.....	.....	1	.....	.....	1	1	1	.....	.....
.....	78	77	77	.....	.....	1	.....	.....	1	1	1	.....	.....
.....	.....	.....	....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
91	97	95	94	.8	1.7	.....	1.8	.....	1.5	1	5	1-5	1
95	89	92	92	.6	.4	.4	1.3	.....	1.3	1	3	.....	.....
.....	.....	.....	....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
81	95	80	85	.9	2	.....	3	.....	5	1	10	1-7	.....
.....	.....	.....	....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
78	85	81	81	.9	1	.....	1	.....	2	1	4	1-10	.....
.....	.....	.....	....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
.....	.....	.....	....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
90	96	93	93	.9	2	1	.....	.....	2	2	4	1-10	1
92	89	94	92	.8	1	.....	3	.....	4	1	8	1-5	1
.....	.....	.....	....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
.....	55	64	60	.....	.....	.8	.....	.....	2	1	2	1-4	.....
.....	87	88	88	.....	.....	.9	3	.....	5	1	8	1-10	1
93	96	97	95	.9	.3	.....	1.3	.....	1.4	1	3	1-10	.....
96	97	87	93	.6	2	.....	3	.....	4	1	9	3-7	.....
93	92	88	91	.....	1	.....	1	.....	9	1	11	All	.....
88	91	90	90	1	.....	.....	1	.....	1	1	2	.....	.....
94	93	92	93	.8	2	.....	4	.....	4	1	10	1-4	1
81	90	95	89	.9	2	.....	2.5	.....	2.5	1	7	1-7	1
90	90	87	89	.8	1	.....	1	.....	1	1	3	1-5	.....
93	98	95	95	.5	1	.....	1	.....	2	1	4	1-2	.....
.....	90	89	89	.....	.....	.9	1	.....	2	1	3	1-10	.....
.....	.....	.....	....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
93	92	92	92	.7	2	.....	2	.....	3	1	7	1-3	1
90	97	98	95	.8	2	.....	2	.....	3	1	7	1-5	1
99	95	95	96	4	2	.....	8.5	1	19.5	6	30	All	1
93	92	92	92	.8	1	.....	3	.....	4	1	8	1-4	2
96	94	91	94	.5	5	.....	4	.....	7	1	16	1-2	1
95	92	92	93	1	.....	.....	1	.....	1	1	2	.....	.....
.....	.....	.....	....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
93	92	94	93	.9	2	.....	2	.....	3	1	7	1-10	.....
90	81	93	88	.5	1	.....	4	.....	6	1	11	1-2	.....
96	93	90	93	.5	3	.....	3	.....	5	1	11	1-2	1
.....	.....	.....	79	.....	.....	1	.....	.....	1	1	1	.....	.....
97	97	94	96	.9	1.8	.....	2	.....	3	1	6.8	1-8	.2
92	93	92	92	.7	2	.....	1	.....	6	1	9	1-3	.....
.....	.....	.....	....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
82	79	80	80	1	.....	.....	2	.....	1	1	3	.....	.....
.....	83	89	86	.....	.....	1	.....	.....	1	1	1	.....	.....
89	95	91	92	1.8	.....	.....	1.5	.....	1.5	2	3	1-5	.....
.....	85	85	85	.....	.....	1	.....	.....	1	1	1	.....	.....
95	97	86	92	1	.....	.....	1	.....	4	1	5	.....	.....
99	99	97	98	1.7	6	.....	7	.....	10	2	23	2-3	2
91	93	93	92	1.8	1	.....	2	.....	4	2	7	1-4	.....
82	90	83	85	.8	2	.....	2	.....	4	1	8	1-5	.....

TABLE XVII.—CONTINUED.

Incorporated villages.	School population from inspector's report.	Enrollment.				Average number belonging.				Average daily attendance.			
		High school department.	Grammar department.	Primary department.	Whole school.	High school department.	Grammar department.	Primary department.	Whole school.	High school department.	Grammar department.	Primary department.	Whole school.
L'Anse	547	38	161	277	476	30	150	162	342	29	130	148	307
¶Laurium													
Lawrence	189	54	56	93	203	50	51	71	172	49	49	70	168
Lawton	235	63	74	130	267	60	66	104	230	55	61	78	194
Leonard	127	31	34	48	113	27	33	44	104	20	25	19	64
Le Roy	187	37	80	47	164	29	74	34	137	26	69	28	123
Leslie	248	57	88	85	230	47	80	75	202	46	79	74	199
Lexington	162	33	55	64	152	31	52	58	141	30	50	57	137
Linden	214	48	54	88	190								143
Lisbon	114		26	35	61		26	35	61		22	31	53
Litchfield	164	41	45	61	147	39	42	51	132	36	39	46	121
Lowell	583	125	130	255	510	121	126	243	490	120	125	232	477
Luther	285	26	74	136	236	25	66	127	218	23	59	108	190
Lyons	150	42	53	58	153	36	48	44	128	32	42	30	104
Mackinaw City	209	26	79	92	197	21	66	60	147	20	49	53	122
Mancelona	554	48	151	319	518	43	130	231	404	39	124	196	359
Manchester	349	79	115	119	313	69	103	111	283	66	99	105	270
Manton	360	46	82	210	338	32	35	210	277	32	33	192	257
Maple Rapids	150	64	35	64	163	61	33	41	135	51	32	31	114
Marcellus	234	54	99	106	259	50	79	77	206	48	76	73	197
Marion	295	38	91	163	292	32	69	141	242	30	62	117	209
†Marlborough													
Marlette	367	84	114	174	372								279
†Maybee													
Mayville	249	56	66	125	247	50	60	95	205	44	52	79	175
McBain	200	29	48	160	237	27	44	133	204	23	33	109	165
McBrides	148	35	52	61	148	35	36	51	122	20	34	48	102
Mecosta	162	50	52	43	145	39	33	20	92	33	32	20	85
Memphis	202	40	72	64	176	38	69	51	158	32	57	42	131
Mendon	225	49	68	67	184	41	61	67	169	30	29	54	122
†Merrill													
Mesick	164	36	38	53	127	27	30	36	93	25	28	33	86
Metamora	99	36	26	37	99				96				73
Middleville	244	50	69	89	208	48	65	70	183	46	58	66	170
Milan	334	71	106	161	338	66	97	135	298	63	84	109	256
Milford	244	38	38	113	189	35	31	111	177	34	21	97	152
Millersburg	219	5	42	146	193	5	42	146	193	2	23	95	120
Millington	220	46	67	108	221	44	63	71	178	42	58	69	169
Minden	186	41	45	62	148				145				94
Montague	307	58	92	104	254	54	82	84	220	51	78	80	209
†Montrose													
Morenci	322	85	90	126	301	73	82	99	254	71	75	90	236
Morley	131	54	26	28	108	50	24	26	100	45	23	27	95
Morrice	125	26	39	70	135	24	30	59	113	22	25	50	97
Mt. Morris	211	63	61	60	184	62	60	57	179	52	48	46	146
Muir	120	18	26	57	101	16	24	53	93	14	20	43	77
†Mulliken													
Munising	796	88	158	399	645	79	148	372	599	76	145	366	587
Nashville	324	112	117	84	313	97	102	77	276	90	92	65	247
†Naubinway													
Newaygo	447				398	46	42	40	128	44	40	34	118
New Baltimore	240	33	78	91	202	30	62	79	171	27	56	69	152
Newberry		39	164	346	549	34	133	259	426	32	125	233	390
†New Boston													
New Buffalo	191	40	18	115	173	40	18	115	173	36	15	104	155

¶ Report included with Calumet, which is not incorporated
† Not legally graded.

TABLE XVII.—CONTINUED.

Percentage of attendance.				Number of regular teachers employed.								Portion of superintendent's time devoted to supervision.	No. of special teachers.
				High school department.		Grammar department.		Primary department.		Whole school.			
High school department.	Grammar department.	Primary department.	Whole school.	Men.	Women.	Men.	Women.	Men.	Women.	Men.	Women.		
96	86	91	91	1.8	.....	1	3	.....	6	3	9	1-4	.....
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
97	96	92	95	.9	1.5	.....	1.5	.....	2	1	5	1-10	.....
91	91	83	88	.9	1	.....	2	.....	2	1	5	1-10	.....
74	76	41	61	1	.....	.....	1	.....	1	1	2	.....	.....
94	91	90	91	1	.....	.....	2	.....	1	1	3	.....	.....
98	98	98	98	.9	1	.....	2	.....	2	1	5	1-7	.....
97	96	98	97	.8	1	.....	1	.....	2	1	4	1-6	.....
.....	.....	.....	87	.9	1	.....	1	.....	1	1	3	1-8	.....
.....	84	88	86	.....	.....	1	.....	.....	1	1	1	.....	.....
92	90	90	91	1	1	.....	1.5	.....	1.5	1	4	.....	.....
99	99	95	97	.3	3	.....	4	.....	7	1	14	2-3	.....
94	95	91	93	1	.....	.....	2	.....	3	1	5	.....	.....
88	89	69	82	.9	1	.....	2	.....	1	1	4	1-10	.....
90	64	88	80	.8	.....	.....	2	.....	1	1	3	1-5	.....
91	95	84	90	1.5	1	1	3	.....	7	3	11	1-2	.....
95	95	96	95	.8	2	.....	3	.....	3	1	8	1-6	.....
94	94	90	92	.8	1	.....	1	.....	5	1	7	1-5	.....
83	97	75	85	2	.....	.....	1	.....	1	2	2	.....	.....
97	96	93	95	.9	2	.....	2	.....	2	1	6	1-7	.....
93	90	83	89	.9	.....	.....	1.5	.....	2.5	1	4	1-8	.....
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
.....	.....	.....	92	1.8	1	.....	2	.....	4	2	7	1-5	.....
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
88	87	83	86	.9	1	.....	1	.....	2	1	4	1-10	.....
84	75	83	81	.8	1	.....	1	.....	3	1	5	1-5	.....
57	94	94	81	1	.....	.....	1	.....	1	1	2	.....	.....
84	97	95	92	1	.....	.....	1	.....	1	1	2	.....	.....
84	81	82	83	1	1	.....	1.7	.....	1.3	1	4	.....	.....
95	47	80	74	.8	2	.....	2	.....	2	1	6	1-4	.....
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
93	93	92	92	1	1	.....	1	.....	1	1	3	.....	.....
.....	.....	.....	76	1	.....	.....	1	.....	1	1	2	.....	.....
92	95	94	94	.8	2	.....	2	.....	2	1	6	1-4	.....
96	87	73	85	.7	2	.....	3	.....	3	1	8	1-3	.....
94	68	87	83	.9	2	.....	1	.....	4	1	7	1-10	.....
46	54	65	55	1	.....	.....	1	.....	3	1	4	.....	.....
93	92	97	94	.8	.5	.1	1.2	.....	1.3	1	3	1-20	.....
.....	.....	.....	64	1	.....	.....	1	.....	1	1	2	.....	.....
96	90	95	93	.9	1	.....	2	.....	3	1	6	1-10	1
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
95	92	91	93	.9	1.5	.....	2.5	.....	2	1	6	1-10	.....
90	96	96	94	.9	.....	.....	1	.....	1	1	2	1-8	.....
92	83	85	87	1	.....	.....	1.3	.....	1.7	1	3	.....	.....
83	80	80	81	1	1	.....	1	.....	1	1	3	.....	.....
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
89	83	81	84	1	.....	.....	1	.....	2	1	3	.....	.....
96	97	96	96	1.5	1	1	4	.....	12	3	17	1-2	1
92	90	84	89	1.8	2	.....	3	.....	2	2	7	1-4	1
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
95	95	85	92	.5	1	.....	3	.....	4	1	8	1-2	.....
96	95	90	94	.7	1.5	.....	1.5	.....	2	1	5	1-3	.....
95	93	94	93	.9	2	2	4	1	6	4	12	1-8	.....
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
95	82	91	90	1	.....	.....	1	.....	2	1	3	.....	.....

TABLE XVII.—CONTINUED.

Incorporated villages.	School population from inspector's report.	Enrollment.				Average number belonging.				Average daily attendance.			
		High school department.	Grammar department.	Primary department.	Whole school.	High school department.	Grammar department.	Primary department.	Whole school.	High school department.	Grammar department.	Primary department.	Whole school.
New Haven	147	38	53	49	140	27	39	42	108	26	37	34	97
North Adams	125	60	46	33	139	54	44	30	128	51	42	28	121
North Branch	221	70	72	101	243	58	57	65	180	54	52	60	166
Northport	288	27	88	152	267	18	70	115	203	15	63	97	175
Northville	481	56	142	214	412	53	135	204	392	52	134	202	388
Oakley	77	.....	35	38	73	.....	27	34	61	.....	26	25	51
Olivet	187	71	68	87	226	58	60	68	186	51	53	61	165
Onekama	164	42	41	53	136	34	38	48	120	30	32	38	100
Ontonagon	670	58	92	104	254	54	82	84	220	51	78	80	209
Orion	205	39	65	84	188	33	53	69	155	31	45	59	135
Ortonville	99	39	35	42	116	35	30	38	103	31	23	31	85
Oscoda	412	24	88	158	270	24	81	143	248	23	77	129	229
Otisville	139	44	40	61	145	44	40	61	145	34	26	33	93
Otsego	645	100	169	243	512	95	161	193	449	91	151	177	419
Otter Lake	85	.....	34	40	74	.....	30	30	60	.....	25	23	48
Ovid	339	96	114	129	339	85	100	105	290	84	95	101	280
Owendale	.....	.....	.....	.....	82	.....	.....	.....	63	.....	.....	.....	47
Oxford	259	76	70	113	259	58	62	84	204	54	55	82	191
Parma	170	43	25	62	130	42	24	59	125	41	23	58	122
Paw Paw	395	129	120	154	403	117	112	118	347	110	108	111	329
†Peck	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Pentwater	331	39	100	203	342	33	94	166	293	27	71	143	241
†Perrinton	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Perry	200	34	66	96	196	25	40	75	140	23	35	64	122
Petersburg	210	35	52	83	170	32	46	70	148	30	42	66	138
Pewamo	144	45	37	47	129	36	32	38	106	30	28	35	93
Pierson	125	7	54	35	96	.....	.....	.....	95	.....	.....	.....	40
Pigeon	329	34	63	137	234	34	63	137	234	24	41	82	147
Pinckney	134	43	28	65	136	34	23	52	109	32	22	49	103
Pinconning	341	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Plainwell	319	85	72	138	295	85	72	138	295	84	59	118	261
Plymouth	503	81	138	157	376	65	121	142	328	62	114	130	306
Port Austin	224	17	43	149	209	15	44	134	193	13	32	86	131
Port Hope	192	27	29	42	98	26	26	27	79	22	23	22	67
Portland	460	85	145	239	469	74	119	198	391	72	107	165	341
Port Sanilac	110	41	29	41	111	34	29	41	104	26	23	26	75
Potterville	145	39	51	61	151	38	37	38	113	34	34	37	105
Quincy	345	79	58	130	267	76	57	125	258	72	54	129	255
Reading	243	84	78	112	274	78	68	95	241	75	65	85	225
¶Red Jacket	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Reed City	537	88	170	255	513	84	150	245	479	79	140	237	456
†Reese	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Richland	86	42	21	30	93	39	19	28	86	.....	.....	.....	.....
Richmond	373	32	69	123	224	26	53	94	173	25	49	91	165
River Rouge	850	16	148	429	593	15	135	375	525	14	130	360	514
Rochester	365	43	106	174	323	43	91	127	261	39	83	113	235
Rockford	203	41	77	75	193	31	58	63	152	30	57	62	149
Rogers	301	24	47	136	207	24	35	105	164	22	30	85	137
Romeo	435	76	115	150	341	68	96	111	275	67	92	105	264
Roscommon	224	24	32	49	105	23	30	45	98	20	25	40	85
Royal Oak	313	33	30	182	245	30	23	173	226	27	20	144	191
St. Charles	658	34	98	406	538	.....	.....	.....	361	.....	.....	.....	344
†St. Clair Heights	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Saline	221	49	75	70	194	47	68	68	183	45	61	65	171
Sand Lake	125	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....

† Not legally graded.
¶ Report included with Calumet, which is not incorporated.

TABLE XVII.—CONTINUED.

Percentage of attendance.				Number of regular teachers employed.								Portion of superintendent's time devoted to supervision.	No. of special teachers.
				High school department.		Grammar department.		Primary department		Whole school.			
High school department.	Grammar department.	Primary department.	Whole school.	Men.	Women.	Men.	Women.	Men.	Women.	Men.	Women.		
96	95	80	90	.9	.....	1	.....	.....	1	2	1	1-10	.....
94	95	93	94	.8	1	.....	1	.....	1	1	3	1-5	.....
94	91	91	92	1	1	.....	2	.....	2	1	5	.....	.....
83	90	84	86	1	.....	.....	1.5	.....	2.5	1	4	.....	.....
98	99	99	98	1.7	1	.....	4	.....	5	2	10	1-4	.....
.....	96	73	84	.....	.....	1	.....	.....	1	1	1	.....	.....
88	88	90	89	.8	1	.....	2	.....	2	1	5	1-5	1
88	78	80	82	1	.....	1	.....	.....	1	2	1	.....	.....
96	95	95	95	.9	1	.....	2	.....	3	1	6	1-10	1
90	84	85	86	.9	1	.....	2	.....	2	1	5	1-10	.....
89	77	82	83	1	.....	.....	1	.....	1	1	2	.....	.....
96	96	95	96	.....	1.5	.....	2	.....	2.5	.....	6	.....	.....
87	65	54	68	1	.....	1	.....	.....	1	2	1	.....	.....
95	94	89	93	1.6	3	.....	4	.....	5	2	12	3-7	2
.....	83	76	79	.....	.....	.....	1	.....	1	.....	2	.....	.....
99	95	96	97	1.7	1	.....	3	.....	3	2	7	1-3	1
.....	.....	.....	75	.....	.....	.....	.....	.....	1	.....	1	.....	.....
92	96	91	93	.8	2	.....	3	.....	2	1	7	1-4	.....
97	96	98	97	.9	1	.....	1	.....	1	1	3	1-8	1
94	95	94	94	1.8	2	1	1.5	.....	2.5	3	6	1-5	.....
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
81	75	86	80	.5	1	.....	2	.....	4	1	7	1-2	.....
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
90	86	85	88	.9	1	.....	2	.....	2	1	5	1-10	.....
94	92	94	93	1	1	.....	1.3	.....	1.7	1	4	.....	.....
83	88	92	87	1	.....	.....	1	.....	1	1	2	.....	.....
.....	.....	.....	42	.....	.....	1	.....	.....	1	1	1	.....	.....
71	66	62	66	1	.....	1	1	.....	2	1	3	.....	.....
92	95	92	93	1	1	.....	1	.....	1	1	3	.....	.....
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
98	82	85	85	.8	3	.....	3	.....	3	1	9	1-4	.....
95	94	91	93	.7	2	.....	3	.....	3	1	8	2-7	1
81	75	59	72	1	.....	.....	1	.....	2	1	3	.....	.....
90	90	88	89	1	.....	.....	1	.....	1	1	2	.....	.....
97	96	92	95	.....	4.5	.....	4	.....	4	.....	13	1-2	1
76	80	63	73	.9	.....	.....	1	.....	1	1	2	1-10	.....
89	91	97	92	1	.....	.....	1	.....	1	1	2	.....	.....
96	95	93	95	.8	3	.....	1	.....	3	1	7	1-5	.....
96	95	89	93	.9	2	.....	2	.....	2	1	6	1-10	.....
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
94	93	96	94	2.5	1	.....	4	.....	6	3	11	4-7	.....
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
.....	.....	.....	.....	.9	1	.....	1	.....	1	1	3	1-10	.....
97	92	96	95	.9	1	.....	2	.....	3	1	6	1-10	.....
93	96	96	95	.3	1	1	4	.....	9	2	14	3-4	1
92	91	89	90	1	1	.....	3	.....	3	1	6	.....	.....
97	98	98	97	.9	1	.....	2	.....	2	1	5	1-10	.....
91	85	73	83	.....	1	.....	1	.....	3	.....	5	.....	.....
99	95	95	96	1.7	2	.....	3.5	.....	3.5	2	9	2-7	1
87	83	88	86	1	.....	.....	1	.....	1	1	2	.....	.....
92	95	95	94	.8	1	.....	1	.....	3	1	6	1-4	.....
.....	.....	.....	92	.8	1	.....	2	.....	5	1	8	1-5	.....
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
95	89	94	92	.7	2	.....	2	.....	2	1	6	2-7	.....
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....

TABLE XVII.—CONCLUDED.

Incorporated villages.	School population from inspector's report.	Enrollment.				Average number belonging.				Average daily attendance.			
		High school department.	Grammar department.	Primary department.	Whole school.	High school department.	Grammar department.	Primary department.	Whole school.	High school department.	Grammar department.	Primary department.	Whole school.
Saranac	269	64	116	94	274	54	93	77	224	47	83	66	196
Saugatuck	234	54	38	49	141	.....	.....	.....	.....	.....	.....	.....	.....
Schoolcraft	201	36	76	99	211	33	68	82	183	32	65	78	175
Scottville	252	60	54	144	258	50	53	77	180	45	51	40	136
Sebewaing	628	30	112	200	342	28	85	164	277	27	74	148	249
Shelby	411	74	96	193	363	64	73	146	283	60	65	138	263
Shepherd	281	60	93	92	245	.....	.....	.....	.....	45	77	72	194
Sheridan	170	30	70	50	150	.....	.....	.....	.....	.....	.....	.....	.....
Sherman	186	59	44	79	182	.....	.....	.....	182	.....	.....	.....	123
Sherwood	138	21	57	65	143	20	50	60	130	18	44	52	114
†Sibley	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
South Frankfort	187	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
South Lyon	181	50	51	100	201	41	46	42	129	37	40	37	114
Sparta	355	58	102	158	318	53	92	147	292	50	83	117	250
Spring Lake	255	38	65	47	150	34	54	45	133	32	52	41	125
Springport	124	23	37	64	124	22	32	48	102	.....	.....	.....	.....
Stambaugh	590	18	142	274	434	17	104	201	322	16	95	200	311
†Stephenson	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Stevensville	263	31	53	81	165	28	46	72	146	26	43	60	129
Stockbridge	186	60	44	86	190	48	42	80	170	47	41	79	167
Sunfield	150	26	34	80	140	.....	.....	.....	.....	18	28	64	110
Sutton's Bay	194	25	38	29	92	20	23	20	63	19	22	19	60
Tecumseh	567	150	194	225	569	124	163	174	461	120	156	167	443
Tekonsha	178	39	29	113	181	32	27	81	140	30	25	37	92
Thompsonville	336	34	96	145	275	28	80	108	216	22	73	81	176
Three Oaks	367	69	116	124	309	65	91	90	246	63	90	89	242
Trenton	371	6	83	185	274	6	78	182	266	5	72	162	239
Tustin	150	17	80	53	150	14	64	42	120	13	55	34	102
Twining	220	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
†Ubly	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Union City	349	100	87	178	365	84	78	128	290	81	71	126	278
Unionville	240	33	90	75	198	33	90	75	198	29	60	49	138
Utica	229	42	42	105	189	33	34	76	143	31	31	71	133
Vandalia	142	45	32	36	113	43	30	31	104	42	29	30	101
†Vanderbilt	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Vassar	485	80	143	171	394	75	122	158	355	72	114	149	335
Vermontville	205	69	66	74	209	64	63	60	187	63	59	54	176
Vernon	132	28	32	77	137	24	31	62	117	19	27	59	105
Vicksburg	290	86	83	130	299	79	65	89	233	77	67	82	226
Wakefield	608	21	75	394	490	18	71	370	459	17	70	366	453
Waldron	112	22	36	51	109	20	33	40	93	18	30	35	83
Warren	121	.....	28	47	75	.....	28	47	75	.....	27	42	69
Watervliet	319	46	41	205	292	41	38	170	249	39	37	143	219
Wayland	177	90	45	72	207	90	39	61	190	82	35	49	166
Wayne	392	74	123	176	373	68	108	136	312	65	102	121	288
Webberville	158	34	37	51	122	27	32	48	107	26	31	41	98
†Westphalia	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
White Cloud	236	24	59	117	200	20	52	110	182	17	41	89	147
Whitehall	496	67	161	183	411	61	142	150	353	59	137	139	335
White Pigeon	134	48	40	62	150	43	36	59	138	41	35	55	131
Williamston	311	85	93	144	322	79	83	113	275	77	76	99	252
Wolverine	237	31	71	95	197	31	69	93	193	27	38	66	131
Woodland	100	34	25	39	98	26	22	35	83	24	20	32	76
†Woodmere	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Zeeland	589	42	165	231	438	39	135	196	370	37	125	185	347

† Not legally graded.

TABLE XVII.—CONCLUDED.

Percentage of attendance.				Number of regular teachers employed.								Portion of superintendent's time devoted to supervision.	No. of special teachers.
				High school department.		Grammar department.		Primary department.		Whole school.			
High school department.	Grammar department.	Primary department.	Whole school.	Men.	Women.	Men.	Women.	Men.	Women.	Men.	Women.		
87	89	86	87	.9	1	.....	3	.....	2	1	6	1-8	.....
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
96	96	95	96	.8	1	.....	2	.....	2	1	5	1-6	.....
90	98	55	81	.8	1	.....	2	.....	3	1	6	1-5	.....
96	87	90	91	1	.....	.....	2	.....	4	1	6	.....	.....
94	86	92	91	.9	2	.....	2	.....	4	1	8	1-8	.....
.....	.....	.....	96	1	1	.....	2	.....	2	1	5	.....	.....
.....	.....	.....		1	.....	.....	2	.....	1	1	3	.....	.....
.....	.....	.....	67	.8	1	.....	1	.....	1	1	3	1-4	.....
90	88	87	88	.8	.....	1	.....	.....	2	2	2	1-6	.....
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
91	90	90	90	.8	1	.....	1	.....	2	1	4	1-5	.....
94	90	79	87	.9	1	.....	2	.....	4	1	7	1-8	.....
92	94	92	93	.9	1	.....	2	.....	1	1	4	1-8	.....
97	87	72	86	.8	1	.....	1.3	.....	1.7	1	4	1-5	.....
94	91	99	95	.8	1	1	4	1	6	3	11	1-4	.....
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
92	93	83	89	.9	1	.....	1	.....	2	1	4	1-8	.....
98	97	98	97	.8	1	.....	1	.....	2	1	4	1-6	.....
.....	.....	.....	78	1	.....	.....	1	.....	2	1	3	.....	.....
96	96	95	95	1	.....	.....	1	.....	1	1	2	.....	.....
97	95	96	96	2	2.3	.....	4	.....	5	2	12	5-7	1
96	96	45	79	1	1	.....	1	.....	2	1	4	.....	.....
78	91	75	81	.9	1	.....	2	.....	3	1	6	1-8	.....
97	99	99	98	.8	1	.....	2.5	.....	2.5	1	6	1-4	1
84	92	89	88	.....	.9	.....	2	.....	4	.....	7	1-8	.....
93	86	80	86	1	.....	.....	2	.....	1	1	3	.....	.....
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
96	95	98	96	1.5	2	.....	3	.....	5	2	10	1-2	1
88	73	65	72	.9	.....	.....	2	.....	1	1	3	1-20	.....
94	92	91	92	.8	1	.....	1	.....	2	1	4	1-5	.....
98	98	98	98	1	1	.....	1	.....	1	1	3	.....	.....
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
97	94	93	95	.6	3	.....	3	.....	5	1	11	3-8	1
98	93	91	94	1	2	.....	2	.....	2	1	6	.....	.....
80	90	95	88	1	.....	.....	1	.....	2	1	3	.....	.....
97	96	91	95	.9	2	1	1	.....	3	2	6	1-7	.....
94	98	99	97	.5	1	.....	3	.....	10	1	14	.....	.....
88	90	87	88	1	.....	.....	1	.....	1	1	2	.....	.....
.....	96	89	92	.....	.....	1	.....	.....	1	1	1	.....	.....
95	95	86	92	1.9	.....	.....	1	.....	4	2	5	1-10	.....
94	90	80	88	1.9	.....	.....	1	.....	1	2	2	1-10	.....
96	94	89	92	.6	2	.....	3	.....	3	1	8	3-8	.....
96	96	85	92	1	.....	.....	1	.....	1	1	2	.....	.....
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
85	79	81	81	1	.....	.....	1	.....	2	1	3	.....	.....
96	96	92	95	.9	1	.....	4	.....	4	1	9	1-8	1
96	96	93	95	.8	1	.....	2	.....	2	1	5	1-5	.....
97	91	87	92	.8	3	1	1	.....	3	2	7	1-6	1
90	55	69	71	1	.....	.....	2	.....	2	1	4	.....	.....
94	90	93	92	1	.....	.....	1	.....	1	1	2	.....	.....
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
95	92	94	93	.8	1	.....	3	.....	4	1	8	1-5	1

TABLE XVIII.

Miscellaneous statistics of city and graded village schools as

Incorporated cities.	Average number pupils to each teacher.				Number of non-resident pupils.				Rate of tuition per year.			Average age of class		
	High school department.	Grammar department.	Primary department.	Whole school.	High school department.	Grammar department.	Primary department.	Whole school.	High school department.	Grammar department.	Primary department.	Graduated.	Promoted to high school.	Promoted to grammar department.
Adrian	23	35	34	31	60	2	....	62	$20 00	$16 00	$12 00	18	14	10
Albion	31	37	39	36	42	6	....	48	16 00	16 00	14 00	18	.....	.....
Alma	28	37	29	31	22	11	5	38	10 00	10 00	10 00	18.5	14.5	9.5
Alpena	24	34	47	38	....	....	....	....	.....	.....	.....	18.6	14.2	11.3
Ann Arbor	25	34	34	31	188	16	....	204	24 00	14 00	9 00	19	14.6	10.5
Au Gres	.....	22	77	50	....	....	....	....	.....	.....	.....	14.8	.....	.....
Au Sable	17	41	43	34	....	7	4	11	9 00	6 00	4 50	17	.....	.....
Bad Axe	22	32	36	30	23	5	....	28	15 00	12 50	10 00	18	13	9
Battle Creek	26	37	34	36	54	9	11	74	24 00	18 00	12 00	18.6	.....	.....
Bay City	24	31	35	30	61	8	13	82	25 00	13 00	10 00	18.8	14.9	11.3
Beaverton	20	25	57	34	9	2	1	12	10 00	4 00	2 50	17	13	9
Belding	22	27	33	27	29	3	2	34	16 00	16 00	16 00	17	13	9
Benton Harbor	24	54	41	40	33	12	3	48	18 00	14 40	14 40	17	13	9
Bessemer	22	34	42	33	10	.....	.....	10	30 00	.....	.....	18	13	9
Big Rapids	22	34	33	30	13	2	....	15	18 00	15 00	12 00	19	14	11
Cadillac	28	37	45	37	12	....	....	12	9 00	9 00	9 00	17	.....	.....
Charlevoix	17	33	30	26	20	.....	.....	20	13 60	9 00	9 00	.....	.....	.....
Charlotte	29	35	35	33	56	18	9	83	20 48	15 60	13 65	18	14	10
Cheboygan	29	39	40	38	9	2	1	12	15 00	15 00	10 00	18	.....	.....
Clare	14	38	48	33	15	....	....	15	10 00	.....	.....	18	.....	.....
Coldwater	14	22	33	30	10	15	5	30	20 00	16 00	12 00	18.7	12	6.3
Coleman	15	50	65	43	13	.....	.....	13	10 00	.....	.....	17	.....	.....
Corunna	22	26	35	29	18	8	8	34	10 00	7 00	7 00	19.5	15	10.8
Croswell	40	50	55	47	10	3	2	15	10 00	10 00	10 00	17	14	9
Crystal Falls	21	41	33	32	....	....	....	....	.....	.....	.....	17	13	10
Detroit	23	30	41	34	....	....	....	184	40 00	14 00	14 00	.....	.....	.....
Dowagiac	28	34	40	34	26	10	8	44	16 00	12 00	10 00	18.8	14.5	10
East Tawas	32	53	50	45	2	.....	.....	2	12 00	.....	.....	17	13	.....
Eaton Rapids	21	36	30	29	43	8	2	53	16 00	12 00	12 00	17.5	14	10
Escanaba	26	43	45	38	11	1	1	13	30 00	20 00	15 00	18	14	10
Flint	26	34	31	30	56	12	10	78	24 00	18 00	12 00	18	14	10
Gladstone	21	41	45	36	....	....	....	....	.....	.....	.....	18.5	14	10
Gladwin	40	36	63	46	12	4	1	17	10 00	5 00	5 00	.....	.....	7.3
Grand Haven	22	40	34	34	21	9	6	36	10 00	7 50	5 00	17	15	11
Grand Ledge, 9 fr	15	39	40	28	25	13	3	41	14 00	14 00	10 00	18 00	14	9.5
Grand Ledge, 11 fr	.....	25	57	41	....	1	....	1	.....	10 00	10 00	.....	14.2	10.5
Grand Rapids	27	35	37	35	43	26	14	78	50 00	30 00	20 00	18.5	14.8	11.1
Greenville	29	50	38	39	40	1	1	42	17 50	12 00	10 00	18.5	14	10
Hancock	35	45	46	36	18	.....	.....	18	48 00	20 00	20 00	.....	.....	.....
Harrison	23	30	38	30	5	3	4	12	10 00	10 00	10 00	16	13	9
Harrisville	19	45	40	35	2	1	1	4	.....	.....	.....	17	13	9
Hastings	20	30	32	25	38	2	....	40	16 00	14 00	14 00	18	14	9.9
Hillsdale	32	39	35	35	61	5	3	69	15 00	12 00	9 00	18.5	.....	.....
Holland	22	47	43	37	16	11	9	36	12 00	12 00	12 00	18	15	11
Hudson	22	34	26	27	33	6	....	39	15 20	12 54	9 50	19	14.4	10.5
Ionia	16	21	34	21	....	....	....	....	37 50	25 00	20 00	.....	.....	.....
Iron Mountain	33	31	46	39	1	....	....	1	15 00	10 00	10 00	18.5	14.5	10.5
Ironwood	28	35	37	33	....	....	....	....	25 00	.....	.....	18	14	10
Ishpeming	30	51	35	48	....	....	....	....	.....	.....	.....	.....	.....	.....
Jackson	24	31	36	33	36	7	5	48	20 00	16 00	12 00	19	15	11

TABLE XVIII.

reported by superintendents for the school year 1904-1905.

Number of graduates.	Number of U. S. flags.	Has school kindergarten below primary grade?	Portion of time in first primary devoted to kindergarten work.	Number of grades in the school.	Number of pupils studying—				Does school give special instruction in—					Has school a commercial course?	Is the compulsory attendance law enforced?	Has school an ungraded department?	Has school a day school for the deaf?
					Latin.	Greek.	French.	German.	Vocal music?	Drawing?	Penmanship?	Manual training?	Domestic science?				
26	1	No	1-2	12	.....	....	....	.....	Yes	Yes	No	No	No	No	No	No	No
32	1	No	1-5	12	66	....	....	57	Yes	Yes	No	Yes	No	Yes	Yes	No	No
7	1	Yes	.....	12	82	....	....	20	No	Yes	Yes	No	No	Yes	No	No	No
18	8	No	.....	12	62	....	....	42	No	No	No	No	No	Yes	Yes	No	No
76	6	No	1-4	12	210	5	82	120	Yes	Yes	No	Yes	Yes	Yes	Yes	No	No
5	1	No	.....	8	.....	....	....	.....	No	No	Yes	No	No	No	Yes	No	No
10	2	No	1-2	11	22	....	....	19	No	Yes	Yes	No	No	No	No	No	No
11	1	No	1-20	12	.....	....	....	.....	No	No	No	No	No	No	Yes	No	No
34	11	No	1-2	13	253	10	27	70	Yes	Yes	No	Yes	No	No	Yes	Yes	No
46	9	Yes	.....	12	159	5	139	69	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes	Yes
3	4	No	1-5	12	1	....	....	18	No	No	No	No	No	Yes	No	No	No
15	1	Yes	.....	12	21	....	....	25	Yes	Yes	Yes	No	No	Yes	Yes	No	No
35	4	No	1-9	12	45	6	....	35	Yes	Yes	Yes	No	No	Yes	No	Yes	No
12	....	Yes	.....	12	65	....	....	30	Yes	Yes	No	No	No	Yes	Yes	No	No
24	4	No	1-10	12	25	....	....	30	Yes	Yes	Yes	No	No	Yes	Yes	No	No
33	3	Yes	1-5	12	100	....	....	32	Yes	No	No	No	No	No	Yes	No	No
9	....	No	1-5	12	25	....	....	11	Yes	Yes	Yes	Yes	No	Yes	Yes	No	No
26	1	No	1-2	12	100	....	....	60	Yes	Yes	No	Yes	No	Yes	Yes	No	No
15	7	No	.....	12	34	....	....	.....	Yes	Yes	No	No	No	Yes	Yes	No	No
9	1	No	.....	12	24	....	....	13	No	Yes	No	No	No	Yes	No	No	No
11	4	Yes	.....	12	42	....	....	22	No	No	Yes	No	No	Yes	Yes	No	No
5	1	No	1-4	12	15	....	....	.....	No	Yes	Yes	No	No	Yes	Yes	No	No
7	1	No	1-3	12	20	....	....	10	Yes	Yes	No	No	No	No	Yes	No	No
6	1	No	1-2	12	.....	....	....	25	Yes	Yes	Yes	No	No	No	Yes	No	No
13	9	Yes	.....	12	31	....	....	23	Yes	Yes	Yes	No	No	No	No	No	No
280	73	Yes	.....	12	1,064	73	404	882	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes	Yes
15	3	Yes	.....	12	58	....	....	22	Yes	Yes	Yes	No	No	No	Yes	No	No
9	1	No	1-2	12	.....	....	....	.....	Yes	Yes	Yes	No	No	Yes	Yes	No	No
19	....	No	1-12	12	25	....	....	20	Yes	Yes	Yes	No	No	Yes	Yes	No	No
25	5	Yes	1-5	12	93	....	15	44	Yes	Yes	No	No	No	Yes	Yes	No	No
64	8	Yes	1-5	12	139	....	25	65	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	No
5	1	Yes	.....	12	5	....	9	14	No	No	No	No	No	No	No	No	No
12	1	No	.....	11	.....	....	....	.....	No	No	No	No	No	No	Yes	No	No
16	4	Yes	1-20	12	62	....	....	40	Yes	Yes	Yes	No	No	Yes	Yes	No	No
10	....	No	1-3	12	33	....	....	16	Yes	No	No	No	No	No	Yes	No	No
15	1	No	1-2	12	.....	....	....	.....	No	Yes	Yes	Yes	No	No	Yes	No	No
151	38	Yes	.....	12	606	9	86	425	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes	Yes
31	1	No	1-3	12	63	....	30	30	Yes	Yes	No	No	No	Yes	Yes	No	No
20	2	No	1-6	12	38	....	4	14	No	Yes	Yes	No	No	Yes	Yes	No	No
15	1	No	1-4	12	.....	....	....	.....	No	No	No	No	No	No	No	No	No
3	1	No	1-3	11	3	....	....	.....	No	No	No	No	No	Yes	Yes	No	No
40	3	No	1-3	12	65	4	....	40	Yes	Yes	No	Yes	No	Yes	Yes	No	No
36	3	No	.....	12	82	....	....	76	Yes	Yes	No	Yes	No	No	Yes	No	No
20	5	Yes	.....	12	35	....	....	23	Yes	Yes	No	No	No	No	Yes	No	No
7	....	Yes	.....	12	35	....	....	19	No	No	No	No	No	Yes	Yes	No	No
21	4	Yes	1-10	12	60	....	8	40	No	Yes	Yes	No	No	Yes	Yes	No	No
9	7	No	1-3	12	54	....	....	75	Yes	No	No	Yes	Yes	Yes	Yes	No	No
15	7	Yes	.....	12	51	....	....	61	Yes	Yes	No	No	Yes	No	Yes	No	Yes
32	8	Yes	.....	12	106	....	15	65	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes
33	16	No	1-5	13	222	....	29	224	Yes	Yes	No	No	No	No	Yes	No	Yes

TABLE XVIII.—CONTINUED.

Incorporated cities.	Average number pupils to each teacher.				Number of non-resident pupils.				Rate of tuition per year.			Average age of class		
	High school department.	Grammar department.	Primary department.	Whole school.	High school department.	Grammar department.	Primary department.	Whole school.	High school department.	Grammar department.	Primary department.	Graduated.	Promoted to high school.	Promoted to grammar department.
Kalamazoo	22	37	48	39	25	17	8	50	$38 00	$19 00	$12 16	19.3	13.5	9.5
Lansing	27	33	34	31	35	11	13	59	20 00	10 00	10 00	17	14	.....
Lapeer	20	40	35	30	35	9	....	44	20 00	16 00	12 00	17	12	9
Ludington	23	40	34	33	29	3	3	35	15 00	12 00	12 00	18.5	14	10.2
Mackinac Island	20	40	45	35	....	....	....	....	.....	.....	.....	18	.....	.....
Manistee	21	31	30	27	21	3	1	25	20 00	14 00	10 00	18	14	10
Manistique	20	33	31	28	11	1	....	12	15 00	15 00	15 00	18.2	14.2	10.4
Marine City	16	57	32	35	7	10	....	17	20 00	10 00	10 00	18	14	11.5
Marquette	20	38	35	33	1	....	....	1	.....	.....	.....	17	14	9.7
Marshall	24	31	28	28	46	8	4	58	20 00	16 00	10 00	17.5	14.5	10
Mason	16	37	41	31	22	21	....	43	.....	.....	.....	.....	.....	.....
Menominee	23	41	44	36	7	....	....	7	19 00	15 00	10 00	18	14	.....
Midland	23	34	37	31	22	2	2	26	15 00	10 00	7 50	18	14	10
Monroe	15	38	41	31	28	16	4	48	16 00	12 00	8 00	18.6	.....	.....
Mt. Clemens	21	39	47	36	16	4	5	25	12 00	10 00	10 00	19	.....	.....
Mt. Pleasant	24	31	34	30	33	6	1	40	13 00	10 00	10 00	18	13	11
Muskegon	28	36	36	29	15	2	4	21	36 00	20 00	16 00	20	.....	.....
Muskegon Heights	14	27	38	28	2	4	4	10	12 00	12 00	10 50	16	13.5	10
Negaunee	18	40	44	39	....	....	....	....	.....	.....	.....	18	14	.....
Niles	25	44	38	36	30	13	4	47	40 00	30 00	20 00	18	14	9
North Muskegon	.....	37	75	56	....	....	....	....	.....	.....	.....	.....	.....	.....
Norway	19	40	45	38	17	....	....	17	35 00	.....	.....	17.7	14	11.5
Omer	13	28	28	23	....	....	....	....	.....	.....	.....	16	.....	.....
Onaway	12	32	59	34	....	....	....	....	20 00	15 00	10 00	17	13	7.7
Owosso	23	37	37	32	37	....	....	37	16 00	12 00	10 00	18	13	9.5
Petoskey	20	40	32	29	4	4	....	8	14 25	9 50	9 50	17	.....	.....
Pontiac	25	36	36	34	34	18	9	61	20 00	18 00	14 00	19.5	15.2	11.3
Port Huron	29	36	59	27	6	4	6	16	21 00	15 00	9 00	19	15	10
Rose City	26	47	43	40	5	....	4	9	4 75	4 75	4 75	17	12	10
Saginaw, E. S	14	26	30	25	50	7	3	60	22 00	18 00	14 00	18	14	10
Saginaw, W. S	25	39	49	38	40	....	....	40	25 00	12 00	9 00	18.5	.....	.....
Sandusky	28	48	53	43	17	....	....	17	9 00	9 00	9 00	17	.....	.....
Sault Ste. Marie	28	52	55	45	....	....	....	....	.....	.....	.....	18	13	.....
South Haven	28	32	46	37	71	51	32	154	15 20	9 50	5 70	18	13.5	9.5
St. Clair	19	34	41	33	11	4	....	15	15 00	10 00	7 50	17.8	14	11
St. Ignace	20	43	57	40	3	....	....	3	9 50	.....	.....	17	.....	.....
St. Johns	27	33	34	31	43	9	4	56	18 00	13 00	13 00	18.5	13.5	9.5
St. Joseph	22	35	34	30	11	12	1	24	14 40	10 80	7 25	17.7	14	10.8
St. Louis	17	33	35	30	29	5	11	45	12 50	10 00	10 00	17	14	.....
Standish	13	52	51	38	....	....	....	....	12 50	12 50	10 00	.....	15	10
Stanton	25	36	42	34	14	1	....	15	9 50	9 50	9 50	18	14	10
Sturgis	24	32	36	33	8	2	....	10	16 00	13 00	10 00	18.5	14.5	11
Tawas City	16	40	41	32	2	1	....	3	10 00	7 50	7 50	17	14	10
Three Rivers	28	29	29	29	18	....	....	18	16 00	13 00	13 00	18.5	.....	.....
Traverse City	44	29	40	37	51	....	....	51	18 00	.....	.....	19	.....	.....
West Bay City	22	25	37	28	10	10	18	38	25 00	20 00	15 00	18	14.5	11.4
West Branch	33	71	49	51	....	....	....	....	7 50	7 50	7 50	.....	.....	.....
Wyandotte	17	39	33	30	13	3	1	17	12 00	10 00	10 00	18	.....	.....
Yale	18	42	50	37	10	10	4	24	15 00	10 00	10 00	17	.....	.....
Ypsilanti	28	32	34	32	48	4	2	54	16 00	10 00	10 00	18.3	14.3	10.2

TABLE XVIII.—CONTINUED.

Number of graduates.	Number of U. S. flags.	Has school kindergarten below primary grade?	Portion of time in first primary devoted to kindergarten work.	Number of grades in the school.	Number of pupils studying—				Does school give special instruction in—					Has school a commercial course?	Is the compulsory attendance law enforced?	Has school an ungraded department?	Has school a day school for the deaf?
					Latin.	Greek.	French.	German.	Vocal music?	Drawing?	Penmanship?	Manual training?	Domestic science?				
43	12	Yes	.....	12	256	6	13	115	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes	Yes
58	13	No	1-4	12	235	11	....	191	Yes	Yes	No	Yes	Yes	Yes	Yes	No	No
23	1	No	1-6	12	.....	....	....	.....	Yes	Yes	No	No	No	Yes	Yes	No	No
27	7	No	1-2	12	111	....	....	45	Yes	Yes	No	Yes	No	No	Yes	No	No
4	....	No	1-4	12	.....	....	....	.....	No	No	Yes	No	No	Yes	No	No	No
63	6	Yes	.....	12	89	....	24	25	Yes	Yes	No	No	No	Yes	Yes	No	Yes
10	3	Yes	.....	12	42	....	....	11	Yes	Yes	No	No	No	Yes	Yes	No	No
7	3	No	.....	12	25	....	....	12	Yes	Yes	No	No	No	Yes	Yes	No	No
23	10	Yes	.....	12	58	....	48	42	Yes	Yes	No	Yes	Yes	Yes	No	No	No
18	6	No	1-3	12	144	....	....	50	Yes	Yes	No	Yes	No	Yes	Yes	No	No
13	....	No	1-2	12	63	....	....	25	Yes	Yes	Yes	No	No	No	Yes	No	No
20	8	Yes	.....	12	.....	....	....	.....	Yes	Yes	No	Yes	No	No	Yes	No	Yes
8	5	No	1-3	12	56	....	....	27	No	No	Yes	No	No	Yes	No	No	No
13	3	No	2-5	12	48	....	11	35	Yes	Yes	Yes	No	No	No	Yes	No	No
17	5	Yes	.....	12	.....	....	....	.....	Yes	Yes	No	No	No	Yes	No	No	No
23	3	No	.....	12	71	....	....	63	Yes	Yes	No	No	No	Yes	No	No	No
52	13	Yes	.....	12	193	....	31	60	Yes	Yes	No	Yes	Yes	Yes	No	No	Yes
9	1	Yes	.....	10	.....	....	....	.....	No	Yes	Yes	No	No	No	Yes	No	No
8	3	Yes	.....	12	30	....	12	8	Yes	Yes	Yes	No	No	Yes	Yes	No	No
23	6	No	1-4	12	81	....	....	54	Yes	Yes	No	No	No	Yes	Yes	No	No
....	1	No	.....	9	.....	....	....	.....	No	No	No	No	No	No	No	No	No
12	4	No	.....	12	25	....	....	.....	Yes	Yes	Yes	No	No	Yes	Yes	No	No
3	1	No	2-5	10	.....	....	....	.....	No	No	No	No	No	No	No	No	No
4	1	No	1-2	12	14	....	4	6	No	No	Yes	No	No	No	No	No	No
37	4	No	.....	12	106	....	....	52	Yes	Yes	No	No	No	No	Yes	No	No
17	5	Yes	1-2	12	20	....	....	23	Yes	Yes	Yes	No	No	Yes	Yes	No	No
30	6	Yes	.....	12	102	5	24	42	Yes	Yes	No	Yes	No	No	Yes	No	No
51	13	No	1-3	12	120	....	45	60	Yes	Yes	No	No	No	Yes	Yes	No	No
8	....	No	1-2	10	.....	....	....	.....	No	No	Yes	No	No	No	Yes	No	No
75	8	No	.....	12	152	....	55	378	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
18	10	No	1-5	12	87	....	35	98	Yes	Yes	No	Yes	Yes	Yes	Yes	No	No
17	1	No	.....	11	.....	....	....	.....	No	No	No	No	No	Yes	Yes	No	No
20	6	Yes	1-2	12	45	....	30	28	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	No
21	3	No	1-2	12	77	....	....	25	Yes	Yes	Yes	No	No	Yes	Yes	No	No
6	2	No	1-10	12	.....	....	....	.....	Yes	Yes	No	No	No	No	No	No	No
2	3	No	1-2	12	8	....	....	.....	No	No	No	No	No	No	No	No	No
34	3	No	4-5	13	58	....	....	60	Yes	Yes	No	No	No	Yes	Yes	No	No
22	3	Yes	.....	12	61	....	....	32	Yes	Yes	No	No	No	Yes	Yes	No	No
11	2	Yes	.....	12	31	....	....	18	Yes	Yes	Yes	No	No	Yes	No	No	No
....	....	No	1-3	12	12	....	....	6	No	No	No	No	No	Yes	No	No	No
15	1	Yes	1-5	12	23	....	....	.....	No	No	No	No	No	Yes	Yes	No	No
9	1	Yes	.....	12	23	....	....	11	Yes	Yes	No	No	No	No	Yes	No	No
7	1	No	.....	12	10	....	....	.....	No	No	No	No	No	No	No	No	No
24	2	Yes	1-2	12	30	....	20	30	Yes	Yes	No	No	No	Yes	Yes	No	No
30	6	Yes	.....	12	100	....	....	55	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes
18	7	No	1-3	12	62	....	....	28	Yes	No	No	No	No	Yes	No	No	No
....	....	No	1-5	12	8	....	....	8	No	No	No	No	No	No	No	No	No
8	3	Yes	.....	12	.....	....	....	.....	Yes	Yes	Yes	No	No	No	Yes	No	No
4	1	No	1-6	12	.....	....	....	.....	No	No	No	No	No	No	No	No	No
37	4	No	1-6	12	105	3	10	69	Yes	Yes	No	Yes	Yes	No	Yes	No	No

TABLE XVIII.—CONTINUED.

Incorporated villages.	Average number pupils to each teacher.				Number of non-resident pupils.				Rate of tuition per year.			Average age of class		
	High school department.	Grammar department.	Primary department.	Whole school.	High school department.	Grammar department.	Primary department.	Whole school.	High school department.	Grammar department.	Primary department.	Graduated.	Promoted to high school.	Promoted to grammar department.
Addison	21	36	48	33	22	....	....	22	$35 00	$30 00	$25 00	20	13	8.7
Alanson	14	45	50	36	1	1	1	3	10 00	10 00	10 00	.....	.....	.....
Algonac	20	36	36	31	6	2	2	10	9 00	6 75	6 75	.....	.....	.....
Allegan	32	43	28	34	29	....	....	29	13 20	13 20	13 20	18.1	.....	.....
Almont	20	25	31	25	18	8	2	28	13 60	10 00	10 00	17	15	10
Applegate	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Armada	30	33	47	37	39	6	4	49	13 50	13 50	11 25	18	14	9.5
Ashley	39	44	45	43	3	1	....	4	9 00	6 75	6 75	16	12	8
Athens	16	49	27	34	16	4	2	22	11 25	9 00	9 00	18	14.3	10.5
†Atlanta	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Attica	13	11	32	28	2	4	1	7	10 00	7 50	5 00	.....	11	8
Augusta	22	13	43	26	19	....	....	19	9 00	.....	.....	17.9	.....	.....
Baldwin	8	49	56	37	....	....	....	....	.....	.....	.....	17	14	10
Bancroft	18	23	44	28	10	10	10	30	10 00	10 00	10 00	17	13.5	9.5
Bangor	27	45	57	46	38	14	8	60	13 30	9 50	5 70	18	.....	.....
Baraga	12	47	49	44	....	....	....	....	.....	.....	.....	19	14	.....
Bear Lake	42	56	72	57	13	....	....	13	10 00	.....	.....	.....	14	10
Bellaire	22	33	47	34	6	1	....	7	12 50	10 00	.....	18	.....	.....
Belleville	34	44	58	45	11	2	1	14	10 00	7 50	5 00	15	13	11
Bellevue	16	39	37	31	12	1	2	15	12 50	12 50	12 50	18	.....	.....
Benzonia	12	45	33	30	..	1	1	2	12 00	10 00	9 00	18	13.1	11.5
Berrien Springs	19	24	36	26	17	7	2	26	12 00	9 00	9 00	17	14	10
Birmingham	35	45	49	43	32	10	5	47	16 00	13 00	10 00	17	12	.....
Blissfield, 1 fr	23	37	58	39	37	1	1	39	10 00	10 00	10 00	18	12	7
Blissfield, 2 fr	30	35	42	37	18	1	....	19	10 00	10 00	10 00	.....	13	10
Bloomingdale	32	32	42	35	13	....	1	14	9 00	9 00	9 00	17	.....	.....
Boardman	30	35	32	33	6	....	....	6	9 00	.....	.....	14	.....	.....
Boyne City	14	36	52	34	6	....	7	13	18 00	13 50	13 50	18	14.7	10.5
Boyne Falls	.....	.....	.....	.....	....	....	....	....	.....	.....	.....	.....	.....	.....
Breedsville	.....	30	32	31	....	2	2	4	.....	1 25	75	.....	14	.....
Brighton	21	29	34	28	15	5	2	22	14 00	10 00	10 00	19	13	9
Britton	38	28	41	35	7	....	....	7	2 50	2 50	2 50	16	.....	.....
Bronson	19	29	39	29	16	7	....	23	13 30	9 50	9 50	19	14	10
Brooklyn	21	31	41	31	17	6	3	26	10 00	10 00	7 50	17	.....	.....
Brown City	42	53	53	46	15	9	1	25	10 00	7 50	5 00	17	14	8
Buchanan	17	23	31	24	29	7	3	39	12 66	9 50	4 67	19	14	10
Burlington	31	23	26	27	10	....	....	10	.....	.....	.....	16	13	10
Burr Oak	14	26	44	28	14	6	....	20	16 20	13 50	9 00	17	13	10
Byron	14	34	33	27	8	12	7	27	12 50	12 50	7 50	17	14	9
Caledonia	48	30	34	37	36	....	....	36	10 00	.....	.....	18	.....	.....
Camden	26	21	31	26	13	....	....	13	9 00	9 00	9 00	21	15	12
Capac	20	54	48	41	20	3	3	26	15 00	15 00	10 00	16.5	13	8
Caro	29	27	33	29	56	....	....	56	13 00	10 00	7 80	17.5	13.5	10
Carson City	18	34	41	31	....	....	....	..	14 50	9 50	9 50	18	.....	.....
Carsonville	28	62	88	59	4	....	....	4	12 00	.....	.....	.....	.....	.....
Caseville	31	36	62	43	1	....	....	....	.....	.....	.....	17.2	13	9
Casnovia	30	42	44	38	16	1	3	20	12 00	9 00	9 00	15	.....	.....
Cass City	35	39	44	39	50	3	....	53	1 50	1 25	75	18	14	11
Cassopolis	18	38	46	34	10	6	5	21	14 00	12 00	12 00	16	12	7.5
Cedar Springs	21	40	41	34	30	1	3	34	14 25	11 40	6 33	17.5	14	9.5
Central Lake	15	40	41	32	1	5	10	16	13 50	9 00	9 00	14.5	11	9
Centreville	14	22	25	20	8	1	....	9	13 00	13 00	.....	17	13	.....
Chelsea	18	30	38	30	27	6	....	33	15 00	12 00	9 00	18	14	9
Chesaning	13	40	51	35	30	4	....	34	10 00	10 00	10 00	18	15	10.6
Clarkston	17	40	46	34	14	3	3	20	13 00	10 00	10 00	.....	.....	.....

† Not legally graded.

TABLE XVIII.—CONTINUED.

Number of graduates.	Number of U. S. flags.	Has school kindergarten below primary grade?	Portion of time in first primary devoted to kindergarten work.	Number of grades in the school.	Number of pupils studying—				Does school give special instruction in—					Has school a commercial course?	Is the compulsory attendance law enforced?	Has school an ungraded department?	Has school a day school for the deaf?
					Latin.	Greek.	French.	German.	Vocal music?	Drawing?	Penmanship?	Manual training?	Domestic science?				
2	1	Yes	1-10	12	.....	....	....	.....	No	No	Yes	No	No	No	Yes	No	No
....	1	No	.....	10	.....	....	....	.....	No	No	No	No	No	No	No	No	No
4	1	No	1-10	12	8	....	....	.....	No	No	No	No	No	No	No	No	No
29	5	No	1-10	12	35	....	....	43	No	Yes	No	No	No	Yes	Yes	No	No
5	1	No	1-25	12	16	....	....	.....	No	No	No	No	No	No	No	No	No
5	1	No	1-4	12	21	....	....	.....	No	No	No	No	No	No	No	No	No
....	1	No	1-3	10	.....	....	....	.....	No	No	Yes	No	No	No	Yes	No	No
6	1	Yes	1-3	12	.....	....	....	17	No	No	No	No	No	No	Yes	No	No
1	1	Yes	.....	10	8	....	....	12	No	No	Yes	No	No	No	Yes	No	No
7	1	No	1-12	12	8	....	2	15	No	No	No	No	No	No	Yes	No	No
2	1	No	1-20	10	.....	....	....	.....	No	No	No	No	No	No	No	No	No
5	....	No	1-5	12	8	....	....	.....	No	Yes	Yes	No	No	Yes	Yes	No	No
6	1	Yes	1-2	12	30	....	....	16	No	No	No	No	No	Yes	No	No	No
2	6	Yes	.....	12	.....	....	....	.....	No	No	No	No	No	Yes	Yes	No	No
....	1	Yes	.....	11	8	....	....	.....	No	No	Yes	No	No	No	Yes	No	No
6	1	Yes	1-25	12	12	....	....	.....	No	No	No	No	No	No	No	No	No
....	1	No	.....	10	.....	....	....	.....	No	No	Yes	No	No	No	No	No	No
8	1	No	1-4	12	26	....	....	18	Yes	Yes	No	No	No	No	Yes	No	No
1	1	No	1-4	12	5	....	....	3	No	No	No	No	No	Yes	No	No	No
5	....	No	.....	12	22	....	....	.....	No	No	No	No	No	No	No	No	No
8	1	Yes	.....	12	28	....	....	16	Yes	Yes	No	No	No	Yes	Yes	No	No
4	1	No	1-15	12	8	....	....	.....	No	Yes	Yes	No	No	No	No	No	No
....	1	No	1-4	12	7	....	....	.....	No	No	No	No	No	Yes	Yes	No	No
3	1	No	.....	12	7	....	....	.....	No	No	Yes	No	No	No	Yes	No	No
2	1	No	.....	10	.....	....	....	.....	No	No	No	No	No	No	Yes	No	No
7	....	No	1-2	12	14	....	....	6	No	Yes	Yes	No	No	Yes	No	No	No
5	1	No	.....	9	.....	....	....	.....	No	No	No	No	No	No	Yes	No	No
7	1	No	.....	12	7	....	....	15	No	No	No	No	No	No	No	No	No
13	1	No	.....	10	.....	....	....	.....	No	No	Yes	No	No	No	Yes	No	No
1	1	No	1-2	12	15	....	....	.....	No	Yes	Yes	No	No	Yes	Yes	No	No
7	2	No	1-4	12	.....	....	....	.....	No	Yes	Yes	No	No	Yes	Yes	No	No
7	1	No	.....	11	.....	....	....	.....	No	No	No	No	No	Yes	No	No	No
11	2	No	1-6	12	22	....	....	29	Yes	Yes	No	No	No	No	Yes	No	No
2	....	No	.....	10	.....	....	....	.....	No	No	No	No	No	No	Yes	No	No
7	1	Yes	.....	12	25	....	....	9	No	No	No	No	No	No	Yes	No	No
3	1	No	1-2	11	.....	....	....	.....	No	No	No	No	No	No	No	No	No
17	1	No	.....	11	.....	....	....	.....	No	No	No	No	No	No	Yes	No	No
3	....	Yes	1-3	12	.....	....	....	.....	No	Yes	Yes	No	No	No	Yes	No	No
7	1	No	.....	12	2	....	....	.....	No	No	No	No	No	No	Yes	No	No
20	2	Yes	2-5	12	35	....	....	30	Yes	Yes	Yes	No	No	Yes	No	No	No
7	1	No	1-3	12	20	....	....	.....	No	No	No	No	No	Yes	Yes	No	No
4	1	No	.....	10	.....	....	....	.....	No	Yes	Yes	No	No	Yes	No	No	No
4	1	No	1-6	10	5	....	....	.....	No	No	No	No	No	No	No	No	No
9	1	No	.....	10	.....	....	....	.....	No	No	No	No	No	No	No	No	No
10	1	Yes	.....	12	43	....	....	33	Yes	No	No	No	No	No	Yes	No	No
6	....	No	1-3	12	21	....	....	10	No	No	No	No	No	No	Yes	No	No
3	1	Yes	1-2	12	6	....	....	4	No	Yes	Yes	No	No	Yes	Yes	No	No
....	1	Yes	.....	12	22	....	....	18	No	Yes	Yes	No	No	No	Yes	No	No
3	1	No	1-6	12	6	6	....	7	No	No	No	No	No	No	Yes	No	No
....	1	No	1-4	12	19	....	....	26	Yes	Yes	No	No	No	No	Yes	No	No
6	1	Yes	1-3	12	21	4	....	8	No	No	Yes	No	No	Yes	Yes	No	No
....	1	No	.....	12	13	....	....	.....	No	No	No	No	No	No	Yes	No	No

TABLE XVIII.—Continued.

Incorporated villages.	Average number pupils to each teacher.				Number of non-resident pupils.				Rate of tuition per year.			Average age of class		
	High school department.	Grammar department.	Primary department.	Whole school.	High school department.	Grammar department.	Primary department.	Whole school.	High school department.	Grammar department.	Primary department.	Graduated.	Promoted to high school.	Promoted to grammar department.
Clayton	25	29	28	27	13	1	....	14	$9 00	$9 00	$9 00	18	.....	.....
†Clifford	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Climax	18	28	33	27	8	5	1	14	12 60	12 60	10 80	17	14.2	9.4
Clinton	18	32	41	28	18	2	3	23	.....	.....	.....	17.7	.....	.....
Clio	22	23	30	25	26	8	1	35	14 00	12 00	10 00	17	15	.....
Coloma	18	39	33	30	14	6	5	25	13 50	13 50	13 50	17	14	10
Colon	10	29	36	25	12	1	....	13	12 50	10 80	9 00	17	14	11
Columbiaville	12	27	30	23	20	....	1	21	10 00	10 00	10 00	16	12.5	10
Concord	24	27	24	25	26	6	1	33	12 00	10 00	9 00	17	13	9
Constantine	41	30	34	35	22	7	2	31	5 00	4 00	3 00	18	.....	.....
Coopersville	30	38	42	37	22	....	....	22	12 50	10 00	10 00	17	.....	.....
Copemish	32	30	45	36	2	....	....	2	10 00	.....	.....	17	13	8
†Croton	.....	.....	.....	.....	....	....	....	....	.....	.....	.....	.....	.....	.....
Custer	2	49	61	37	....	....	....	....	.....	.....	.....	.....	.....	.....
†Daggett	.....	.....	.....	.....	....	....	....	....	.....	.....	.....	.....	.....	.....
Dansville	30	18	24	24	15	2	....	17	10 00	8 00	8 00	16.5	.....	.....
Davison	30	31	31	31	22	11	4	37	12 00	10 00	10 00	17	14	9.2
Dearborn	14	60	65	46	8	1	....	9	10 00	7 50	7 50	16	14	.....
Decatur	20	42	47	36	22	9	5	36	13 00	10 00	7 50	18	14	10
Deckerville	31	53	65	49	12	1	1	14	17 50	10 00	7 50	.....	.....	.....
Deerfield	20	33	44	34	4	6	2	12	9 00	6 75	4 50	16	.....	.....
Delray	20	45	46	37	10	....	....	10	10 00	.....	.....	18	14	10
Detour	20	24	32	25	2	3	5	10	.....	.....	.....	16	.....	.....
Dexter	23	44	44	37	29	2	1	32	14 40	12 60	10 80	18	13.8	9
Douglas	10	50	50	37	....	....	....	....	9 00	9 00	9 00	16	.....	.....
Dryden	25	35	53	37	15	4	....	19	12 50	12 50	12 00	16	13	10
Dundee	17	24	35	25	17	2	....	19	15 00	9 00	6 00	17	14	10
Durand	14	36	42	31	13	15	4	32	12 00	10 00	10 00	17.8	14.6	9.8
†Eagle	.....	.....	.....	.....	....	....	....	....	.....	.....	.....	.....	.....	.....
East Grand Rapids	.....	.....	.....	.....	....	....	....	....	.....	.....	.....	.....	.....	.....
East Jordan	32	32	41	35	19	8	3	30	9 00	6 75	4 50	17	14	9.6
Eau Claire	28	34	26	29	17	3	....	20	9 00	9 00	9 00	19	14	10
Ecorse	9	24	58	30	....	....	....	....	3 50	3 50	3 50	16	14	10
Edmore	32	41	43	40	10	2	....	12	9 50	9 50	9 50	16	14	10
Elk Rapids	27	36	30	31	14	2	....	16	10 00	10 00	10 00	18	14	10
Elkton	34	41	55	43	9	4	4	17	12 50	9 00	5 00	17	13	11
Elsie	33	35	32	33	21	9	2	32	12 50	10 00	7 50	15.6	13.7	10.8
†Emmet	.....	.....	.....	.....	....	....	....	....	.....	.....	.....	.....	.....	.....
Empire	49	40	40	43	....	....	....	....	.....	.....	.....	.....	.....	.....
Essexville	.....	31	38	34	....	2	....	2	.....	5 00	5 00	15.4	.....	.....
Evart	19	28	31	26	8	4	....	12	10 00	10 00	7 50	18	.....	.....
†Fairgrove	.....	.....	.....	.....	....	....	....	....	.....	.....	.....	.....	.....	.....
†Fairview	.....	.....	.....	.....	....	....	....	....	.....	.....	.....	.....	.....	.....
Farmington	25	58	64	49	14	7	3	24	16 00	10 00	10 00	17	14	.....
Farwell	45	30	35	37	12	1	1	14	9 00	7 20	7 20	.....	13.5	10
Fennville	25	52	36	37	16	....	....	16	12 50	12 50	12 50	16	.....	.....
Fenton	25	42	35	34	30	16	8	54	20 00	16 00	12 00	.....	.....	.....
Fife Lake	31	26	47	35	7	1	....	8	9 00	9 00	9 00	15	.....	.....
Flushing	22	30	44	32	20	8	....	28	14 00	12 00	12 00	.....	.....	.....
Ford	.....	59	54	56	....	....	....	....	.....	.....	.....	.....	.....	.....
Forestville	.....	29	47	38	....	....	....	....	.....	.....	.....	.....	.....	.....
†Fowler	.....	.....	.....	.....	....	....	....	....	.....	.....	.....	.....	.....	.....
Fowlerville	23	32	21	25	42	4	....	46	15 00	12 00	12 00	18	.....	.....
†Frankenmuth	.....	.....	.....	.....	....	....	....	....	.....	.....	.....	.....	.....	.....
Frankfort	17	53	42	37	3	....	....	3	10 00	.....	.....	17	10	9

† Not legally graded.

TABLE XVIII.—CONTINUED.

Number of graduates.	Number of U. S. flags.	Has school kindergarten below primary grade?	Portion of time in first primary devoted to kindergarten work.	Number of grades in the school.	Number of pupils studying—				Does school give special instruction in—					Has school a commercial course?	Is the compulsory attendance law enforced?	Has school an ungraded department?	Has school a day school for the deaf?
					Latin.	Greek.	French.	German.	Vocal music?	Drawing?	Penmanship?	Manual training?	Domestic science?				
3	1	No	.....	10	.....	....	....	.....	No	No	Yes	No	No	No	No	No	No
3	....	No	1–4	12	11	....	....	.....	No	No	No	No	No	No	Yes	No	No
14	1	No	.....	12	11	....	....	8	No	No	No	No	No	Yes	Yes	No	No
6	1	No	1–5	12	18	....	....	8	No	No	No	No	No	No	Yes	No	No
7	1	No	1–2	12	11	....	....	.....	No	No	No	No	No	Yes	Yes	No	No
5	1	No	1–5	12	5	....	....	14	No	No	Yes	No	No	Yes	No	No	No
2	1	No	.....	12	12	....	....	2	No	Yes	Yes	No	No	No	Yes	No	No
7	1	No	.....	12	3	....	....	.....	Yes	Yes	Yes	No	No	Yes	Yes	No	No
15	1	No	1–6	12	21	....	....	9	No	No	No	No	No	No	Yes	No	No
6	....	No	1–2	11	.....	....	....	.....	No	No	Yes	No	No	No	Yes	No	No
....	....	No	1–5	10	.....	....	....	.....	No	Yes	Yes	No	No	No	Yes	No	No
....	1	No	1–4	10	.....	....	....	.....	No	No	No	No	No	No	Yes	No	No
12	1	No	.....	12	12	....	....	.....	No	No	No	No	No	Yes	No	No	No
11	1	No	1–6	11	12	....	....	.....	No	No	No	No	No	Yes	Yes	No	No
1	1	No	1–2	12	.....	....	....	.....	Yes	Yes	Yes	No	No	No	No	No	No
11	1	Yes	1–3	12	30	....	....	20	No	No	No	No	No	No	No	No	No
....	....	No	1–3	10	.....	....	....	.....	No	No	Yes	No	No	No	No	No	No
10	....	No	1–6	12	.....	....	....	.....	No	No	Yes	No	No	No	Yes	No	No
15	3	Yes	.....	12	12	2	....	24	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	No
5	....	No	1–4	10	.....	....	....	.....	No	No	Yes	No	No	No	Yes	Yes	No
10	1	No	1–4	12	20	....	....	16	Yes	No	No	No	No	No	Yes	No	No
....	1	No	.....	10	.....	....	....	.....	No	No	No	No	No	No	No	No	No
10	1	No	1–25	10	.....	....	....	.....	No	No	Yes	No	No	No	Yes	No	No
10	1	Yes	1–4	12	13	....	....	13	Yes	Yes	Yes	No	No	No	No	No	No
12	2	Yes	1–6	12	9	....	....	.....	No	Yes	No	No	No	Yes	Yes	No	No
7	1	No	1–2	12	35	....	....	3	No	No	No	No	No	No	Yes	No	No
3	....	No	1–4	12	8	....	....	5	No	No	No	No	No	No	Yes	No	No
3	1	No	.....	10	.....	....	....	.....	No	No	No	No	No	No	Yes	No	No
2	1	Yes	1–10	11	.....	....	....	.....	No	No	No	No	No	Yes	Yes	No	No
9	2	Yes	.....	12	22	....	....	.....	No	No	No	No	No	No	Yes	No	No
4	....	No	1–15	11	.....	....	....	.....	No	No	No	No	No	Yes	No	No	No
5	1	No	.....	11	11	....	....	.....	No	No	No	No	No	No	No	No	No
....	1	No	.....	11	.....	....	....	.....	No	No	No	No	No	No	Yes	No	No
11	1	No	.....	8	.....	....	....	.....	No	No	No	No	No	No	Yes	No	No
19	1	Yes	.....	12	25	....	....	.....	No	No	No	No	No	No	Yes	Yes	No
11	1	No	1–4	12	11	....	....	.....	Yes	Yes	No	No	No	No	Yes	No	No
....	1	No	1–4	12	4	....	....	.....	No	No	Yes	No	No	No	Yes	No	No
9	1	No	3–10	12	.....	....	....	.....	No	Yes	Yes	No	No	Yes	Yes	No	No
14	....	No	1–3	12	45	....	....	60	Yes	Yes	Yes	No	No	No	Yes	No	No
....	....	No	1–6	9	.....	....	....	.....	No	No	No	No	No	No	No	No	No
9	1	No	.....	12	18	....	....	.....	Yes	Yes	Yes	No	No	No	No	No	No
....	1	Yes	.....	8	.....	....	....	.....	Yes	No	No	No	No	No	Yes	No	No
6	1	No	.....	9	.....	....	....	.....	No	No	No	No	No	No	Yes	No	No
13	1	Yes	1–3	12	5	....	....	7	Yes	No	No	No	No	No	Yes	No	No
4	....	Yes	1–5	12	.....	....	....	.....	Yes	Yes	Yes	No	No	Yes	Yes	No	No

TABLE XVIII.—CONTINUED.

Incorporated villages.	Average number pupils to each teacher.				Number of non-resident pupils.				Rate of tuition per year.			Average age of class		
	High school department.	Grammar department.	Primary department.	Whole school.	High school department.	Grammar department.	Primary department.	Whole school.	High school department.	Grammar department.	Primary department.	Graduated.	Promoted to high school.	Promoted to grammar department.
†Fraser														
Fremont	22	33	41	32	22	4	4	30	$15 00	$10 00	$10 00	17	14	10
Fruitport		21	46	33		2		2		10 00	10 00		15	
Gagetown		32	36	34		17		17		10 00	10 00		15	
Gaines														
Galesburg	25	26	32	28	39	9	6	54	12 00	10 80	7 20	17.8	13	10
Galien	15	49	38	35	11	2	1	14	11 25	4 50	4 50		14	9
†Garden														
Gaylord	13	33	45	33	5	8		13	10 00	8 00	6 00	18		
†Glenwood														
Gobleville	22	26	38	29	19	1	2	22	10 00	7 50	7 50			
Grandville														
†Grant														
Grass Lake	17	38	30	28	18	2		20	15 00	12 00	9 00	18	14	10
Grayling	16	40	50	35	2			2				18	14	10
†Grosse Pointe														
Grosse Pointe Farms		26	40	33									12	9
Hamtramck		17	48	32		3	8	11		7 50	7 50		13.8	11.2
Hanover	37	27	26	30	30	10		40	12 00	12 00	12 00	18	15	9
Harbor Beach	21	34	43	34	10	1		11	11 50	10 00	7 00	18		
Harbor Springs	50	45	32	42	7			7	18 00			18		
Harrietta	16	45	55	39	1	3	2	6					12	8
Hart	25	28	38	30	29	16	7	52	12 00	9 00	6 00	17	14	11
Hartford	23	50	43	39	31	16	6	53	13 50	9 00	6 50	17.5	13.8	
Hersey	11	41	49	34	10			10	10 00			17		
Hesperia	20	50	30	33	15	2		17	12 00	8 00	8 00	18 00		
Highland Park		31	32	31		7	5	12		12 00	12 00		13	
†Hillman														
Holly	24	37	47	36	22	5		27	14 00	10 00	10 00	19	14	10
Homer	28	37	37	32	29	3		32	13 00	10 00	6 50			
Houghton	20	30	31	27	4			4	50 00	35 00	25 00	18.3	15.1	11.1
Howard City	20	32	32	28	16	6		22	9 50	9 50	4 75	18	14	
Howell	28	41	32	34	61	15	2	78	16 00	13 00	13 00	18	14	10
Hubbardston	23	27	38	29	11	2	2	15	9 00	9 00	9 00		15	10
‖Hubbell														
Imlay City	21	45	47	37	25	2		27	15 00	15 00	12 50	17	13	9
Iron River	19	26	39	28	3	1		4	20 00	20 00	20 00		14	11
Ithaca	22	38	47	36	28	5	1	34	11 88	9 50	9 50	18	14	10
Jerome		21	42	31										
Jonesville	21	37	46	35	21	16	5	42	10 00	10 00	10 00	18	15	11
Kalkaska	27	23	31	28	16	1		17	15 00	12 50	10 00	19	14	8.8
†Kinde														
Kingsley	37	23	63	41	5	2		7	10 80	10 80	10 80	17	12	
Kingston		62	67	65		5		5		10 00	5 00		15	
Laingsburg	15	30	30	25	14	2	3	19	12 50	10 00	5 00	18	14	10
Lake Ann		28	42	35									16	10
Lake City	22	30	40	31	18			18	9 00	9 00	9 00			
Lake Linden	20	25	41	29	16			16	40 00	30 00	20 00	18.5		
Lake Odessa	19	53	35	36	26	14	2	42	13 30	11 40	9 50	18.5	14	10
Lakeview	21	46	31	32	21	4	1	26	11 88	7 13	7 13	18	15	10
L'Anse	15	26	30	24								17.5	14.6	11
¶Laurium														
Lawrence	17	25	35	25	26	7	3	36	11 25	7 65	5 85	17	14	10.5
Lawton	30	33	52	38	45			45				17	14	
Leonard	27	33	44	35	6	1	1	8	10 00	7 50	5 00	16		

† Not legally graded.
¶ Report included with Calumet which is not incorporated.
‖ Report included with Lake Linden.

TABLE XVIII.—CONTINUED.

Number of graduates.	Number of U. S. flags.	Has school kindergarten below primary grade?	Portion of time in first primary devoted to kindergarten work.	Number of grades in the school.	Number of pupils studying—				Does school give special instruction in—					Has school a commercial course?	Is the compulsory attendance law enforced?	Has school an ungraded department?	Has school a day school for the deaf?
					Latin.	Greek.	French.	German.	Vocal music?	Drawing?	Penmanship?	Manual training?	Domestic science?				
2	1	Yes	1-6	12	19	....	....	4	No	No	No	No	No	Yes	Yes	No	No
4	....	Yes	1-5	10	.....	....	....	.....	Yes	Yes	Yes	No	No	No	Yes	No	No
2	1	No	.....	10	.....	....	....	.....	No	No	No	No	No	No	Yes	No	No
21	1	No	.....	12	34	....	....	18	Yes	Yes	Yes	No	No	No	No	No	No
....	1	No	.....	12	6	....	....	.....	No	No	No	No	No	Yes	Yes	No	No
3	1	Yes	.....	12	.....	....	4	11	No	No	No	No	No	No	Yes	No	No
11	1	No	1-10	12	30	....	....	20	No	No	No	No	No	No	Yes	No	No
9	1	No	.....	12	12	....	....	18	Yes	No	Yes	No	No	No	Yes	No	No
2	1	No	1-4	12	4	....	....	15	Yes	Yes	Yes	No	No	Yes	No	No	No
2	1	No	.....	8	.....	....	....	.....	No	No	No	No	No	No	No	No	No
4	1	Yes	.....	8	.....	....	....	.....	Yes	Yes	No	No	No	No	No	No	No
21	1	Yes	1-4	12	.....	....	....	.....	No	No	No	No	No	No	Yes	No	No
5	1	No	1-3	12	21	....	....	.....	No	No	No	No	No	Yes	No	No	No
7	1	No	.....	12	16	....	....	18	No	No	No	No	No	Yes	Yes	No	No
....	1	No	.....	10	.....	....	....	.....	No	No	No	No	No	No	No	No	No
8	1	No	3-5	12	.....	....	....	.....	Yes	Yes	Yes	No	No	Yes	Yes	No	No
7	1	No	1-10	12	16	....	....	6	Yes	Yes	Yes	No	No	Yes	Yes	No	No
2	1	No	1-2	12	.....	....	....	3	No	No	No	No	No	Yes	No	No	No
4	1	No	1-5	12	.....	....	....	.....	No	No	Yes	No	No	No	No	No	No
9	1	Yes	1-4	8	.....	....	....	.....	Yes	Yes	Yes	Yes	No	No	Yes	No	No
15	1	No	1-4	12	35	....	....	24	Yes	Yes	No	No	No	No	No	No	No
18	....	No	1-5	12	30	....	....	9	Yes	Yes	No	No	No	No	Yes	No	No
15	6	Yes	.....	12	26	....	....	34	No	Yes	Yes	No	No	Yes	Yes	No	No
10	1	Yes	1-10	12	35	....	....	.....	Yes	Yes	No	No	No	No	Yes	No	No
26	3	No	1-4	12	63	....	....	41	Yes	Yes	Yes	No	No	No	No	No	No
8	1	No	1-8	11	.....	....	....	.....	No	No	No	No	No	No	Yes	No	No
1	1	No	1-10	12	18	....	....	7	No	No	No	No	No	No	Yes	No	No
....	3	Yes	.....	10	11	....	....	18	No	No	No	No	No	Yes	No	No	No
13	1	Yes	.....	12	54	....	....	25	Yes	Yes	Yes	No	No	Yes	No	No	No
....	1	No	.....	10	.....	....	....	.....	No	No	No	No	No	No	Yes	No	No
7	1	Yes	1-8	12	15	....	....	16	Yes	No	No	No	No	No	Yes	No	No
7	1	Yes	1-4	12	28	....	....	.....	No	No	No	No	No	No	Yes	No	No
4	1	No	.....	10	.....	....	....	.....	No	No	No	No	No	Yes	No	No	No
5	1	No	.....	10	.....	....	....	.....	No	No	No	No	No	Yes	Yes	No	No
6	1	No	1-2	12	6	....	....	.....	No	No	Yes	No	No	Yes	Yes	No	No
2	....	No	1-5	10	.....	....	....	.....	No	No	Yes	No	No	No	No	No	No
....	....	No	.....	12	.....	....	....	.....	No	No	No	No	No	No	No	No	No
18	4	Yes	1-3	12	76	2	24	12	Yes	Yes	Yes	No	No	Yes	Yes	No	No
6	1	No	1-4	12	.....	....	....	.....	No	No	No	No	No	No	Yes	No	No
9	....	Yes	.....	12	12	....	....	.....	No	No	No	No	No	Yes	Yes	No	No
4	3	No	1-2	12	4	....	....	.....	No	No	No	No	No	Yes	Yes	No	No
11	1	No	.....	12	.....	....	....	.....	Yes	Yes	No	No	No	No	No	No	No
11	1	No	.....	12	12	....	....	.....	No	No	No	No	No	No	No	No	No
3	1	No	1-20	10	.....	....	....	.....	No	No	Yes	No	No	No	No	No	No

TABLE XVIII.—CONTINUED.

Incorporated villages.	Average number pupils to each teacher.				Number of non-resident pupils.				Rate of tuition per year.			Average age of class		
	High school department.	Grammar department.	Primary department.	Whole school.	High school department.	Grammar department.	Primary department.	Whole school.	High school department.	Grammar department.	Primary department.	Graduated.	Promoted to high school.	Promoted to grammar department.
Le Roy	29	37	34	33	8	3	2	13	$4 50	$4 50	$4 50	18	13	11
Leslie	24	40	38	34	16	20	5	41	16 00	12 00	10 00	18 00	14	10
Lexington	17	52	29	33	6	4	3	13	10 00	8 00	6 50	16	14	11
Linden	25	54	88	56	17	.....	.....	17	10 00	7 50	7 50	16	.....	.....
Lisbon	.....	26	35	30	.....	2	.....	2	.....	10 00	.....	.....	.....	.....
Litchfield	19	28	34	27	33	.....	.....	33	17 00	.....	.....	19	.....	.....
Lowell	36	31	34	34	35	3	4	42	16 00	12 00	10 00	18	.....	.....
Luther	25	33	42	33	2	.....	.....	2	.....	.....	.....	17.5	12.5	8.5
Lyons	18	24	44	29	10	8	1	19	6 00	6 00	6 00	18.6	15	11
Mackinaw City	21	33	60	38	.....	.....	.....	.....	.....	.....	.....	16	.....	.....
Mancelona	17	32	37	29	9	2	2	13	12 00	10 00	10 00	18	13.3	8.3
Manchester	25	34	37	32	44	3	.....	47	15 00	12 00	9 00	17.5	13	9
Manton	16	35	42	35	30	.....	.....	30	10 80	.....	.....	17.5	.....	.....
Maple Rapids	30	33	41	35	1	.....	8	9	12 00	10 00	8 00	.....	.....	.....
Marcellus	17	39	39	30	21	18	15	54	13 00	13 00	13 00	17	14.5	11
Marion	32	46	56	44	9	3	1	13	9 00	6 75	6 75	17.6	14.2	10
†Marlborough	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Marlette	23	46	36	35	39	3	1	43	12 50	7 50	7 50	18	15	11
†Maybee	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Mayville	26	60	47	44	16	.....	.....	16	10 00	8 00	6 00	18	13	12
McBain	14	44	44	34	5	.....	.....	5	9 00	9 00	9 00	18	12	8
McBrides	35	36	51	41	10	2	3	15	9 50	7 12	7 12	17	14	9
Mecosta	39	33	20	31	1	.....	.....	1	6 75	6 75	6 75	.....	15	12
Memphis	19	40	38	32	17	1	.....	18	12 50	10 00	10 00	16	15	10
Mendon	15	30	33	26	20	3	2	25	14 00	10 00	10 00	17	13	9
†Merrill	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Mesick	13	30	35	26	2	1	.....	3	10 00	7 50	5 00	17	13	9.5
Metamora	36	26	37	33	9	.....	.....	9	10 00	.....	.....	17	.....	.....
Middleville	17	32	35	28	20	5	3	28	12 00	10 50	9 00	.....	.....	.....
Milan	24	32	45	34	22	2	.....	24	13 00	9 00	9 00	18.5	14	9
Milford	15	35	28	26	22	19	4	45	14 00	12 00	12 00	17	14	10
Millersburg	5	42	48	32	.....	.....	8	8	.....	.....	4 20	16	.....	.....
Millington	37	47	53	45	28	7	1	36	10 00	10 00	10 00	16.8	.....	.....
Minden	41	45	62	49	3	3	4	10	7 60	7 60	7 60	16	.....	.....
Montague	28	41	28	32	13	5	.....	18	9 00	4 50	4 50	18	.....	.....
†Montrose	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Morenci	24	41	33	33	24	7	1	32	14 00	12 00	11 00	18	14	9
Morley	50	24	26	33	9	.....	.....	9	7 20	4 50	4 50	16	12	8
Morrice	24	24	42	30	7	2	.....	9	10 00	10 00	7 50	18	15	10
Mt. Morris	26	60	57	48	32	3	2	37	12 50	10 00	10 00	16	14	8
†Mulliken	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Munising	32	29	31	31	.....	.....	.....	.....	.....	.....	.....	19	14	10
Muir	14	24	26	21	7	.....	4	11	9 00	6 75	6 75	16	.....	.....
Nashville	28	39	42	36	30	.....	.....	30	16 00	12 00	12 00	17	.....	.....
†Naubinway	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Newaygo	30	14	10	18	14	.....	.....	14	13 00	12 00	7 50	20	.....	.....
New Baltimore	15	35	34	28	12	1	2	15	10 00	8 00	8 00	16	13.1	8.7
Newberry	11	22	37	23	.....	.....	.....	.....	.....	.....	.....	17	.....	.....
†New Boston	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
New Buffalo	35	17	50	34	6	.....	.....	6	12 00	8 00	8 00	.....	.....	.....
New Haven	27	39	42	36	8	1	.....	9	9 00	4 50	.....	18	14	9.5
North Adams	27	44	30	34	20	8	2	30	9 50	9 50	9 50	17	.....	.....
North Branch	29	28	33	30	37	9	4	50	15 00	15 00	15 00	18	14	10.5
Northport	18	47	46	41	7	10	8	25	9 00	9 00	9 00	.....	15	10
Northville	20	34	41	32	19	10	2	31	16 00	13 00	13 00	18	14	.....

TABLE XVIII.—CONTINUED.

Number of graduates.	Number of U. S. flags.	Has school kindergarten below primary grade?	Portion of time in first primary devoted to kindergarten work.	Number of grades in the school.	Number of pupils studying—				Does school give special instruction in—					Has school a commercial course?	Is the compulsory attendance law enforced?	Has school an ungraded department?	Has school a day school for the deaf?
					Latin.	Greek.	French.	German.	Vocal music?	Drawing?	Penmanship?	Manual training?	Domestic science?				
7	1	No	3-5	12	.....	....	....	.....	No	No	No	No	No	No	Yes	No	No
6	1	No	.....	12	12	....	....	10	No	No	No	No	No	Yes	Yes	No	No
7	1	Yes	1-4	12	.....	....	....	.....	No	Yes	Yes	No	No	Yes	Yes	No	No
16	1	No	1-3	10	16	....	....	.....	No	No	Yes	Yes	No	No	No	No	No
....	1	No	1-4	10	.....	....	....	.....	No	Yes	Yes	Yes	No	No	Yes	No	No
3	1	No	.....	12	20	....	....	.....	Yes	No	No	No	No	Yes	Yes	No	No
18	4	Yes	1-3	12	10	....	....	20	No	No	No	No	No	No	Yes	No	No
....	1	No	1-5	11	.....	....	....	.....	No	No	No	No	No	Yes	No	No	No
7	....	Yes	1-2	12	8	....	....	.....	No	No	Yes	No	No	Yes	Yes	No	No
3	1	No	1-3	10	.....	....	....	.....	No	No	Yes	No	No	No	Yes	No	No
8	2	Yes	1-10	12	24	....	....	.....	No	Yes	No	No	No	Yes	Yes	No	No
8	1	No	.....	12	34	....	....	14	Yes	No	No	No	No	No	Yes	No	No
7	1	Yes	.....	12	.....	....	....	.....	No	No	No	No	No	No	No	No	No
9	1	No	.....	11	.....	....	....	.....	No	No	No	No	No	No	Yes	No	No
8	1	No	1-10	12	21	....	....	16	No	No	No	No	No	Yes	Yes	No	No
6	....	Yes	1-3	12	2	....	....	.....	No	No	No	No	No	No	Yes	No	No
10	1	Yes	1-2	12	6	....	....	.....	No	Yes	Yes	No	No	No	Yes	No	No
12	1	No	1-2	12	15	....	....	21	No	No	No	No	No	No	No	No	No
2	1	Yes	1-2	12	.....	....	....	.....	No	No	No	No	No	No	No	No	No
5	1	No	.....	11	.....	....	....	.....	No	No	No	No	No	No	No	No	No
....	1	No	.....	10	1	....	....	.....	No	No	No	No	No	Yes	No	No	No
5	1	No	.....	12	15	....	....	.....	No	No	Yes	No	No	No	No	No	No
4	1	No	1-10	12	15	....	....	7	No	No	No	No	No	No	Yes	No	No
3	1	No	.....	11	.....	....	....	.....	Yes	No	No	No	No	No	Yes	No	No
12	1	No	.....	11	12	....	....	.....	No	No	No	No	No	No	Yes	No	No
3	1	No	1-4	12	18	....	....	.....	No	No	No	No	No	Yes	Yes	No	No
7	1	No	1-4	12	10	....	....	5	No	No	No	No	No	No	No	No	No
5	2	No	1-5	12	22	....	....	9	Yes	Yes	No	No	No	No	No	No	No
1	1	No	.....	10	.....	....	....	.....	No	No	No	No	No	No	No	No	No
4	1	No	.....	12	.....	....	....	.....	No	No	No	No	No	No	No	No	No
3	1	No	.....	9	.....	....	....	.....	No	No	No	No	No	No	Yes	No	No
17	1	No	.....	12	.....	....	....	17	Yes	Yes	Yes	No	No	No	Yes	No	No
9	1	No	.....	12	39	....	....	27	No	No	No	No	No	No	Yes	No	No
6	1	No	1-3	10	.....	....	....	.....	No	No	No	No	No	No	Yes	No	No
5	....	No	.....	11	.....	....	....	.....	No	No	No	No	No	No	Yes	No	No
6	1	No	1-2	12	8	....	....	.....	No	No	No	No	No	Yes	Yes	No	No
4	....	No	3-4	12	8	....	....	.....	Yes	Yes	Yes	No	No	Yes	Yes	No	No
8	1	Yes	1-8	11	4	....	....	.....	No	No	No	No	No	Yes	Yes	No	No
12	1	Yes	1-2	12	24	....	....	7	Yes	No	No	No	No	No	Yes	No	No
5	1	No	.....	12	.....	....	....	.....	No	No	No	No	No	No	No	Yes	No
2	1	No	1-3	12	.....	....	....	9	Yes	No	No	No	No	No	No	No	No
3	4	No	.....	12	18	....	....	5	No	No	No	No	No	No	Yes	No	No
10	1	No	.....	12	.....	....	....	.....	No	No	Yes	No	No	No	Yes	No	No
6	1	No	2-5	11	.....	....	....	.....	No	No	Yes	No	No	Yes	Yes	No	No
6	1	No	.....	12	17	....	....	.....	No	No	Yes	No	No	No	Yes	No	No
12	....	No	.....	12	.....	....	....	.....	No	No	Yes	No	No	No	Yes	No	No
....	1	No	.....	12	.....	....	....	.....	No	No	No	No	No	No	No	No	No
7	1	No	1-3	12	28	....	....	15	Yes	No	No	No	No	No	Yes	No	No

TABLE XVIII.—CONTINUED.

Incorporated villages.	Average number pupils to each teacher.				Number of non-resident pupils.				Rate of tuition per year.			Average age of class		
	High school department.	Grammar department.	Primary department.	Whole school.	High school department.	Grammar department.	Primary department.	Whole school.	High school department.	Grammar department.	Primary department.	Graduated.	Promoted to high school.	Promoted to grammar department.
Oakley	.....	27	34	30	....	2	1	3	.....	4 00	4 00	.....	13	.....
Olivet	32	30	34	32	31	6	2	39	12 00	10 00	10 00	17	14	10
Onekama	34	38	48	40	2	....	....	2	7 50	5 00	5 00	17	14	10
Ontonagon	29	41	28	33	13	5	....	18	9 00	4 50	4 50	18	.....	.....
Orion	17	27	34	26	14	4	1	19	10 00	8 00	8 00	18	14	10
Ortonville	35	30	38	34	22	6	1	29	10 00	10 00	7 50	18	16	10
Oscoda	16	40	57	41	.....	.....	.....	....	6 00	6 00	6 00	17	14	10
Otisville	44	40	61	48	23	2	4	29	10 00	8 00	6 00	18	13.2	9.1
Otsego	21	40	32	31	22	1	....	23	13 00	10 50	10 50	18	14	10
Otter Lake	.....	30	30	30	....	12	....	12	.....	6 00	6 00	.....	16	.....
Ovid	28	33	35	32	24	6	....	30	15 00	12 00	10 00	18.5	14.2	10.7
Owendale	.....	.....	63	63	.....	.....	.....	.....	.....	.....	.....	.....	15	.....
Oxford	20	20	42	27	22	.....	.....	22	12 00	.....	.....	18	.....	.....
Parma	20	24	59	41	16	1	1	18	12 00	10 50	7 50	16.5	13	8
Paw Paw	29	44	47	39	56	13	3	72	13 00	12 00	10 00	18.7	14	10
†Peck	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Pentwater	16	47	44	37	2	1	4	7	9 00	6 00	3 00	18	12.5	8
†Perrinton	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Perry	13	20	38	24	16	8	3	27	10 00	10 00	7 50	18	14	.....
Petersburg	16	34	42	30	13	2	1	16	13 50	9 00	6 75	16	15	10
Pewamo	36	32	38	35	9	2	1	12	9 00	9 00	9 00	18	13	9
Pierson	7	54	35	47	.....	.....	.....	.....	6 00	6 00	6 00	16	.....	.....
Pigeon	34	63	68	55	16	.....	.....	16	10 00	.....	.....	17	.....	.....
Pinckney	17	23	52	31	13	.....	.....	13	15 00	12 50	10 00	17	14	9
Pinconning	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Plainwell	22	24	46	30	39	4	1	44	15.00	12 00	9 00	18	13	10
Plymouth	22	40	47	36	30	5	....	35	14 00	11 00	8 00	17.7	14.6	11
Port Austin	15	35	67	39	....	4	15	19	.....	5 00	3 50	17	.....	.....
Port Hope	26	26	22	25	4	.....	.....	4	10 00	5 00	3 50	.....	.....	.....
Portland	18	26	41	30	30	3	7	40	15 20	11 40	11 40	18	14	10
Port Sanilac	34	29	41	34	7	.....	.....	7	7 20	7 20	7 20	16	.....	.....
Potterville	38	34	37	36	8	2	....	10	3 40	3 40	2 00	15	.....	.....
Quincy	18	57	43	39	31	1	1	33	14 00	10 00	7 50	18	14	9
Reading	26	34	48	40	46	8	1	55	14 25	14 25	11 38	19	14	10
¶Red Jacket	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Reed City	24	37	41	34	17	8	2	27	15 00	15 00	10 00	17.5	.....	.....
†Reese	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Richland	20	19	28	22	13	.....	.....	13	14 00	9 00	9 00	.....	.....	.....
Richmond	13	26	31	23	21	5	....	26	13 50	11 25	9 00	17	14	10
River Rouge	11	34	42	29	....	1	....	1	.....	.....	.....	15	13	10
Rochester	21	45	42	37	15	10	2	27	13 00	10 00	8 00	17	13.2	11
Rockford	16	29	32	26	19	15	4	38	14 00	12 00	10 00	17	13	9
Rogers	24	35	38	32	.....	.....	.....	.....	.....	.....	.....	14	.....	.....
Romeo	18	32	37	29	23	4	....	27	16 00	14 00	8 00	18	15.5	10.3
Roscommon	24	30	45	33	3	....	....	3	5 00	5 00	5 00	15	.....	.....
Royal Oak	15	43	43	34	16	5	5	26	12 00	9 00	9 00	19	15	10
St. Charles	19	49	81	49	2	....	....	2	10 00	10 00	10 00	17	.....	.....
†St. Clair Heights	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Saline	15	34	34	28	17	9	1	27	16 00	13 00	10 00	17	13.5	9
Sand Lake	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Saranac	27	31	38	32	15	17	3	35	13 00	10 00	10 00	18	13.7	9.5
Saugatuck	.....	.....	.....	32	26	.....	.....	26	12 00	12 00	12 00	.....	.....	.....
Schoolcraft	18	34	41	31	14	8	4	26	18 00	14 40	10 80	18	14	10
Scottville	28	26	26	27	20	.....	.....	20	11 75	11 75	11 75	18	14	11
Sebewaing	28	43	41	37	5	3	....	8	5 00	5 00	5 00	17	14	11

* Not legally graded.
Report included with Calumet which is not incorporated.

TABLE XVIII.—CONTINUED.

Number of graduates.	Number of U. S. flags.	Has school kindergarten below primary grade?	Portion of time in first primary devoted to kindergarten work.	Number of grades in the school.	Number of pupils studying—				Does school give special instruction in—					Has school a commercial course?	Is the compulsory attendance law enforced?	Has school an ungraded department?	Has school a day school for the deaf?
					Latin.	Greek.	French.	German.	Vocal music?	Drawing?	Penmanship?	Manual training?	Domestic science?				
3	1	No	.....	9	.....	....	....	.....	No	No	No	No	No	No	Yes	No	No
13	....	No	1-10	12	19	....	....	17	Yes	No	No	No	No	No	Yes	No	No
4	1	No	.....	12	.....	....	....	6	No	No	Yes	No	No	No	No	No	No
17	1	No	.....	12	.....	....	....	17	Yes	Yes	Yes	No	No	No	Yes	No	No
7	1	No	1-3	12	.....	....	....	10	No	No	No	No	No	No	No	No	No
3	1	No	.....	12	.....	....	....	.....	No	No	No	No	No	No	No	No	No
5	2	Yes	1-2	11	.....	....	....	.....	No	No	No	No	No	No	No	No	No
6	1	No	.....	10	.....	....	....	.....	No	No	No	No	No	No	No	No	No
10	1	No	1-3	12	22	....	....	21	Yes	Yes	No	No	No	Yes	Yes	No	No
6	1	No	.....	10	.....	....	....	.....	No	No	No	No	No	No	No	No	No
14	1	No	1-2	12	40	....	....	25	Yes	No	No	No	No	No	Yes	No	No
1	1	No	.....	8	.....	....	....	.....	No	No	Yes	No	No	No	No	No	No
11	....	No	.....	12	58	....	....	24	Yes	Yes	Yes	No	No	No	No	No	No
10	1	No	.....	12	.....	....	....	.....	Yes	No	Yes	No	No	No	No	No	No
14	1	No	1-3	12	40	....	....	25	No	No	No	No	No	Yes	No	No	No
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
6	1	Yes	.....	12	.....	....	....	.....	No	Yes	No	No	No	No	Yes	No	No
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
5	1	Yes	1-8	12	6	....	....	.....	No	No	No	No	No	No	Yes	No	No
3	1	Yes	.....	12	16	....	....	13	No	No	No	No	No	No	No	No	No
7	1	No	1-4	11	.....	....	....	.....	No	No	No	No	No	No	No	No	No
4	1	No	.....	10	.....	....	....	.....	No	No	Yes	No	No	No	Yes	No	No
2	1	No	.....	...	.....	....	....	.....	No	No	No	No	No	No	No	No	No
5	1	No	1-2	12	.....	....	....	.....	No	No	Yes	No	No	Yes	Yes	No	No
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
13	3	Yes	1-3	12	30	....	....	15	Yes	No	Yes	No	No	Yes	Yes	No	No
15	1	Yes	.....	12	33	....	....	21	No	No	No	No	No	No	No	No	No
2	1	No	.....	12	.....	....	....	.....	No	No	No	No	No	No	No	No	No
6	1	No	1-5	10	.....	....	....	.....	No	No	No	No	No	No	Yes	No	No
9	2	No	1-3	12	32	....	....	20	Yes	Yes	No	No	No	Yes	Yes	No	No
6	1	No	.....	11	.....	....	....	.....	No	No	No	No	No	No	Yes	No	No
....	....	No	1-6	10	8	....	....	.....	No	No	No	No	No	No	No	No	No
13	1	No	1-4	12	22	....	....	18	No	No	Yes	No	No	No	No	No	No
11	1	No	1-25	12	25	....	....	15	No	No	No	No	No	No	Yes	No	No
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
12	3	Yes	.....	12	69	....	....	17	No	No	Yes	No	No	No	Yes	No	No
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
10	1	No	.....	12	7	....	....	5	No	Yes	Yes	No	No	No	Yes	No	No
4	2	No	1-10	12	14	....	....	.....	No	No	No	No	No	No	Yes	No	No
....	2	Yes	1-2	10	.....	....	....	.....	No	Yes	Yes	No	No	No	Yes	No	No
9	1	Yes	1-2	12	9	....	....	3	No	No	No	No	No	No	Yes	No	No
7	1	No	1-5	12	28	....	....	.....	No	No	No	No	No	Yes	Yes	No	No
4	2	No	1-5	10	.....	....	....	.....	No	No	No	No	No	No	Yes	No	No
12	3	No	1-3	12	12	4	....	28	No	Yes	No	No	No	Yes	No	No	No
....	1	No	1-2	10	.....	....	....	.....	No	No	Yes	No	No	No	No	No	No
3	1	No	.....	12	17	....	....	.....	No	No	Yes	No	No	No	No	No	No
3	1	Yes	.....	12	6	....	....	.....	No	No	No	No	No	No	No	No	No
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
8	1	Yes	1-3	12	30	....	....	15	No	No	No	No	No	No	Yes	No	No
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
4	....	No	1-4	12	11	....	....	.....	No	No	No	No	No	No	No	No	No
23	....	No	.....	11	36	....	....	25	No	No	No	No	No	Yes	Yes	Yes	No
3	1	Yes	1-3	12	15	....	....	8	No	No	Yes	No	No	No	Yes	No	No
2	1	Yes	.....	12	24	....	....	10	Yes	Yes	Yes	No	No	Yes	Yes	No	No
3	2	No	1-3	11	.....	....	....	.....	No	No	No	No	No	No	No	No	No

TABLE XVIII.—CONCLUDED.

Incorporated villages.	Average number pupils to each teacher.				Number of non-resident pupils.				Rate of tuition per year.			Average age of class		
	High school department.	Grammar department.	Primary department.	Whole school.	High school department.	Grammar department.	Primary department.	Whole school.	High school department.	Grammar department.	Primary department.	Graduated.	Promoted to high school.	Promoted to grammar department.
Shelby	21	36	36	34	13	1	1	15	12 00	12 00	12 00	17.7	13.2	10.6
Shepherd	30	46	46	41	17	....	....	17	12 50	.....	.....	.....	.....	.....
Sheridan	30	35	50	38	18	3	2	23	10 00	7 50	5 00	.....	.....	.....
Sherman	32	44	79	52	12	....	....	12	9 00	9 00	9 00	16	.....	.....
Sherwood	14	25	30	23	10	9	2	21	9 00	9 00	9 00	18	14	8
†Sibley	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
†South Frankfort	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
South Lyon	22	46	21	29	27	4	....	31	12 00	10 50	10 50	18	15	8
Sparta	28	46	37	37	9	....	1	10	20 00	15 00	15 00	18	.....	.....
Spring Lake	18	27	45	30	....	....	2	2	9 00	6 75	4 50	16	.....	.....
Springport	12	25	30	22	17	....	....	17	10 00	.....	.....	17	.....	.....
Stambaugh	9	21	29	20	....	2	5	7	.....	.....	.....	16	.....	.....
†Stephenson	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Stevensville	19	46	36	34	12	....	....	12	12 50	7 50	7 50	19	13	9
Stockbridge	24	40	40	35	20	4	4	28	12 50	10 00	7 50	18.3	.....	.....
Sunfield	18	28	32	26	11	....	....	11	9 50	9 50	9 50	.....	.....	.....
Sutton's Bay	20	23	20	21	1	3	....	4	10 00	7 50	7 50	.....	.....	.....
Tecumseh	24	41	35	33	51	11	....	62	16 67	13 33	11 67	18	13	8
Tekonsha	16	26	52	31	20	....	....	20	4 00	3 50	3 00	16	14	9
Thompsonville	14	40	36	30	....	....	....	....	.....	.....	.....	17	14	11
Three Oaks	33	37	37	36	17	2	1	20	15 00	12 50	10 00	17	13	9
Trenton	4	36	45	38	1	3	....	4	10 00	8 00	6 00	15	13	8
Tustin	14	32	42	29	4	....	....	4	9 00	9 00	9 00	16	.....	.....
Twining	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
†Ubly	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Union City	24	26	25	25	28	14	7	49	15 00	4 00	3 00	18	.....	.....
Unionville	33	45	75	52	11	....	....	11	10 00	.....	.....	17.7	.....	.....
Utica	18	34	38	30	14	....	....	14	13 00	.....	.....	18	13	9
Vandalia	21	30	31	27	12	....	....	12	9 00	.....	.....	18	.....	.....
†Vanderbilt	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Vassar	21	30	32	28	40	....	1	41	12 00	10 00	8 00	17.5	.....	.....
Vermontville	21	31	30	26	33	....	....	33	13 30	9 50	9 50	19	14	.....
Vernon	24	31	31	28	....	....	....	....	10 00	10 00	7 50	17	.....	.....
Vicksburg	26	33	30	30	38	4	1	43	15 00	14 20	10 00	18	14	9.7
Wakefield	15	25	39	37	....	....	....	....	.....	.....	.....	.....	.....	.....
Waldron	20	33	40	31	3	3	....	6	11 25	11 25	11 25	16	.....	.....
Warren	.....	52	52	52	....	3	....	3	.....	.....	.....	.....	.....	.....
Watervliet	22	38	42	34	15	6	3	24	11 25	9 00	6 75	17	.....	.....
Wayland	45	39	61	45	42	1	....	43	11 00	9 00	7 00	18	12	8
Wayne	34	36	45	39	32	19	4	55	14 00	10 00	8 00	18.2	14.1	10
Webberville	27	31	48	35	5	....	1	6	9 00	9 00	9 00	16	14.7	9
†Westphalia	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
White Cloud	20	52	55	42	5	2	....	7	9 00	9 00	6 75	.....	.....	.....
Whitehall	32	35	37	34	12	1	....	13	9 50	9 50	9 50	17	14	11
White Pigeon	21	18	29	23	16	1	5	22	15 00	12 00	9 00	18	14	10
Williamston	20	43	40	34	40	9	4	53	14 00	10 00	8 00	19	13.5	11
Wolverine	31	34	46	37	6	4	1	11	18 00	11 25	11 25	.....	.....	.....
Woodland	26	22	35	28	17	5	2	24	10 80	10 80	7 20	16	12	9
†Woodmere	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Zeeland	20	45	49	41	....	....	....	....	10 00	6 00	6 00	16	.....	.....

† Not legally graded.

TABLE XVIII.—Concluded.

Number of graduates.	Number of U. S. flags.	Has school kindergarten below primary grade?	Portion of time in first primary devoted to kindergarten work.	Number of grades in the school.	Number of pupils studying—				Does school give special instruction in—					Has school a commercial course?	Is the compulsory attendance law enforced?	Has school an ungraded department?	Has school a day school for the deaf?
					Latin.	Greek.	French.	German.	Vocal music?	Drawing?	Penmanship?	Manual training?	Domestic science?				
3	1	Yes	.....	12	15	....	....	.....	No	No	No	No	No	No	Yes	No	No
....	1	No	1-5	11	.....	....	....	.....	No	No	Yes	No	No	No	Yes	No	No
....	1	No	.....	11	.....	....	....	.....	No	No	Yes	No	No	No	No	No	No
4	1	No	1-2	11	.....	....	....	.....	No	Yes	Yes	No	No	Yes	Yes	No	No
4	1	No	1-5	12	10	....	....	.....	No	No	Yes	No	No	No	No	No	No
....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
4	1	No	2-5	12	30	....	....	.....	Yes	No	No	No	No	No	No	No	No
13	1	Yes	1-2	13	4	....	....	17	No	Yes	Yes	No	No	No	Yes	No	No
6	1	No	1-3	10	.....	....	....	.....	No	No	Yes	No	No	No	Yes	No	No
10	1	Yes	.....	12	18	....	....	.....	Yes	No	No	No	No	No	Yes	No	No
3	2	Yes	1-2	11	.....	....	....	.....	No	Yes	Yes	No	No	Yes	Yes	No	No
....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
3	1	Yes	.....	12	10	....	....	.....	Yes	No	No	No	No	No	Yes	No	No
3	1	Yes	.....	12	.....	....	....	.....	No	No	No	No	No	Yes	Yes	No	No
....	1	No	1-3	12	3	....	....	.....	No	No	Yes	No	No	No	Yes	No	No
2	1	No	1-2	12	.....	....	....	.....	No	Yes	Yes	No	No	No	No	No	No
13	2	No	1-4	12	61	....	....	30	Yes	Yes	Yes	No	No	No	Yes	No	No
....	1	No	.....	12	15	....	....	.....	No	No	Yes	No	No	No	No	No	No
....	1	No	1-5	12	3	....	....	.....	No	No	No	No	No	No	Yes	No	No
12	2	No	1-4	12	31	....	....	21	Yes	No	No	No	No	No	Yes	No	No
....	1	Yes	1-2	10	.....	....	....	.....	No	No	No	No	No	No	Yes	No	No
4	1	No	2-5	12	.....	....	....	.....	No	Yes	Yes	No	No	No	No	No	No
....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
14	1	Yes	.....	12	25	....	3	20	Yes	No	No	No	No	No	Yes	No	No
4	1	No	1-10	12	.....	....	....	.....	No	Yes	Yes	No	No	Yes	Yes	No	No
5	1	No	.....	12	30	....	....	.....	No	No	No	No	No	No	No	No	No
6	1	No	.....	12	6	....	....	.....	No	No	Yes	No	No	No	No	No	No
....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
14	3	No	1-4	12	38	....	....	14	Yes	No	No	No	No	Yes	No	No	No
9	1	Yes	1-4	12	33	....	....	15	No	No	No	No	No	No	Yes	No	No
5	1	No	.....	12	10	....	....	.....	No	No	No	No	No	No	Yes	No	No
9	....	Yes	3-10	12	40	....	....	24	Yes	No	No	No	No	No	Yes	No	No
5	6	Yes	.....	10	.....	....	....	.....	Yes	No	Yes	No	No	Yes	Yes	No	No
7	2	No	.....	10	.....	....	....	.....	No	No	Yes	No	No	No	Yes	No	No
....	1	No	.....	9	.....	....	....	.....	No	No	No	No	No	No	Yes	No	No
6	1	No	1-10	12	12	....	....	.....	No	No	No	No	No	No	No	No	No
6	1	No	1-5	11	.....	....	....	.....	No	No	No	No	No	No	Yes	No	No
12	1	No	1-8	12	34	....	....	15	No	Yes	Yes	No	No	No	No	No	No
6	1	No	1-2	10	.....	....	....	.....	No	No	No	No	No	Yes	Yes	No	No
....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
....	1	No	1-5	10	.....	....	....	.....	No	No	No	No	No	Yes	No	No	No
4	1	No	1-4	12	.....	....	....	.....	Yes	No	No	No	No	Yes	Yes	No	No
7	1	No	.....	12	18	....	....	12	No	No	No	No	No	Yes	Yes	No	No
14	....	No	1-10	12	14	....	....	12	Yes	No	Yes	No	No	No	No	No	No
....	1	No	1-5	11	8	....	....	.....	No	No	No	No	No	No	No	No	No
16	1	No	1-10	10	.....	....	....	.....	No	No	No	No	No	No	Yes	No	No
....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
8	1	Yes	1-2	11	.....	....	....	.....	Yes	Yes	No	No	No	Yes	Yes	No	No

TABLE XIX.

Financial statistics of city schools as reported by superintendents for the year 1904-1905.

Incorporated cities.	Amount paid superintendent.	Amount paid regular teachers.	Amount paid special teachers.	Total amount paid for instruction.	Cost of education per capita in—											
					High school.			Grammar department.			Primary department.			Whole school.		
					Instruction.	Incidentals.	Total.	Instruction.	Incidentals.	Total.	Instruction.	Incidentals.	Total.	Instruction.	Incidentals.	Total.
Adrian	$1,000 00	$20,780 50	$1,350 00	$23,730 50	$33 46	$14 75	$48 21	$15 77	$14 75	$30 52	$12 22	$14 75	$26 97	$16 59	$14 75	$31 34
Albion	1,000 00	11,249 85	1,035 50	13,885 35	.....	.....	.....	.....	.....	.....	.....	.....	.....	15 79	7 47	23 26
Alma	1,200 00	5,289 47	425 00	6,914 47	31 25	19 79	51 04	10 87	19 79	30 66	11 45	19 79	31 24	15 36	19 79	35 15
Alpena	1,500 00	21,423 00	.....	22,923 00	.....	.....	.....	.....	.....	.....	.....	.....	.....	12 85	4 18	17 03
Ann Arbor	2,400 00	42,315 40	3,150 00	47,865 40	41 43	10 57	52 00	16 07	10 57	26 64	16 07	10 57	26 64	21 90	10 57	32 47
Au Gres	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Au Sable	700 00	2,686 10	.....	3,386 10	.....	.....	.....	.....	.....	.....	.....	.....	.....	10 48	4 80	15 28
Bad Axe	800 00	3,850 00	.....	4,650 00	22 73	6 84	29 57	11 02	6 84	17 86	12 15	6 84	18 99	13 80	6 84	20 64
Battle Creek	2,200 00	48,050 00	3,650 00	53,900 00	31 19	10 69	41 88	13 68	10 69	24 37	10 90	10 69	21 59	17 18	10 69	27 87
Bay City	2,400 00	59,515 04	3,525 00	65,440 04	37 50	6 93	44 43	16 69	6 93	23 62	13 40	6 93	20 33	17 20	6 93	24 13
Beaverton	650 00	2,320 00	.....	2,970 00	23 50	2 21	25 71	17 30	2 21	19 51	6 77	2 21	8 98	11 39	2 21	13 60
Belding	1,200 00	6,012 50	495 00	7,707 50	22 76	7 24	30 00	14 26	7 24	21 50	10 24	7 24	17 48	13 40	7 24	20 64
Benton Harbor	1,600 00	14,217 50	450 00	16,267 50	25 95	6 30	32 25	12 79	6 30	19 09	11 70	6 30	18 00	11 22	6 30	17 52
Bessemer	1,500 00	14,770 00	.....	16,270 00	37 81	11 55	49 36	20 21	11 55	31 76	13 24	11 55	24 79	18 53	11 55	30 08
Big Rapids	1,500 00	9,934 77	500 00	11,934 77	20 15	5 03	25 18	14 74	5 03	19 77	15 00	5 03	20 03	15 81	5 03	20 84
Cadillac	1,250 00	15,639 82	350 00	17,239 82	.....	.....	.....	.....	.....	.....	.....	.....	.....	12 27	4 44	16 71
Charlevoix	1,000 00	6,707 87	877 30	8,585 17	24 40	66	25 06	16 11	66	16 77	13 86	66	14 52	16 32	66	16 98
Charlotte	1,500 00	10,696 50	635 00	12,831 50	20 67	6 05	26 72	15 26	6 05	21 31	14 27	6 05	20 32	14 18	6 05	20 23
Cheboygan	1,200 00	10,839 50	600 00	12,639 50	24 45	7 34	31 79	12 91	7 34	20 25	9 37	7 34	16 71	11 93	7 34	19 27
Clare	800 00	3,531 25	.....	4,331 25	.....	.....	.....	.....	.....	.....	.....	.....	.....	12 17	2 90	15 07
Coldwater	1,400 00	13,025 70	.....	14,425 70	.....	.....	.....	.....	.....	.....	.....	.....	.....	14 76	6 03	20 79
Coleman	750 00	2,700 00	.....	3,450 00	34 00	7 19	41 19	8 35	7 19	15 54	5 86	7 19	13 05	10 18	7 19	17 37
Corunna	1,200 00	4,000 00	280 00	5,480 00	21 44	6 49	27 93	22 53	6 49	29 02	12 60	6 49	19 09	16 82	6 49	23 31
Croswell	800 00	2,333 40	.....	3,133 40	20 65	3 97	24 62	7 85	3 97	11 82	6 90	3 97	10 87	11 56	3 97	15 53
Crystal Falls	1,550 00	11,529 25	600 00	13,679 25	.....	.....	.....	.....	.....	.....	.....	.....	.....	16 84	16 01	32 85
Detroit	4,000 00	790,184 58	9,000 00	803,184 58	50 96	7 25	58 26	24 68	7 25	31 93	16 62	7 25	23 87	22 48	7 25	29 73
Dowagiac	1,500 00	10,221 25	450 00	12,171 25	23 36	6 36	29 72	14 24	6 36	20 60	11 67	6 36	18 03	13 95	6 36	20 31
East Tawas	850 05	3,245 00	.....	4,095 05	.....	.....	.....	.....	.....	.....	.....	.....	.....	8 94	8 83	17 77
Eaton Rapids	900 00	4,987 40	400 00	6,287 40	.....	.....	.....	.....	.....	.....	.....	.....	.....	16 50	3 63	20 13
Escanaba	2,000 00	23,898 13	1,653 15	27,551 28	32 82	2 65	35 47	13 18	2 65	15 83	12 45	2 65	15 10	14 65	2 65	17 30

.....	1,600 00	33,271 87	1,550 00	36,421 87	.....	.....	.....	.....	.....	.....	.....	.....	.....	16 16	9 94	26 10
.....	1,100 00	9,000 00	.....	10,100 00	27 00	5 75	32 75	11 70	5 75	17 45	11 45	5 75	17 20	14 13	5 75	19 88
.....	650 00	1,400 00	.....	2,050 00	.....	.....	.....	.....	.....	.....	.....	.....	.....	16 92	18 64	35 56
Grand Haven	1,450 00	11,565 50	225 00	13,240 50	.....	.....	.....	.....	.....	.....	.....	.....	.....	13 29	8 17	21 46
Grand Ledge, 9 fr	850 00	3,331 00	150 00	4,331 00	34 32	6 76	41 08	11 00	6 76	17 76	10 31	6 76	17 07	16 79	6 76	23 55
Grand Ledge, 11 fr	650 00	1,475 00	.....	2,125 00	.....	.....	.....	18 92	4 99	23 91	6 36	4 99	11 35	11 30	4 99	16 29
Grand Rapids	3,500 00	276,913 50	5,000 00	285,413 50	36 39	10 12	46 51	24 44	10 12	34 56	20 06	10 12	30 18	22 12	10 12	32 24
Greenville	1,200 00	9,100 00	950 00	11,250 00	26 49	3 96	30 45	10 47	3 96	14 43	12 17	3 96	16 13	15 50	3 96	19 46
Hancock	1,750 00	12,950 00	.....	14,700 00	39 71	8 69	48 40	12 47	8 69	21 16	9 78	8 69	18 47	15 61	8 69	24 30
Harrison	550 00	990 00	.....	1,540 00	28 14	4 62	32 76	10 75	4 62	15 37	21 07	4 62	25 69	11 84	4 62	16 46
Harrisville	540 00	1,080 00	.....	1,620 00	19 00	2 83	21 83	12 00	2 83	14 83	9 00	2 83	11 83	11 25	2 83	14 08
Hastings	1,100 00	9,805 15	850 00	11,755 15	32 89	18 02	50 91	17 47	18 02	35 49	15 25	18 02	33 27	19 82	18 02	37 84
Hillsdale	1,350 00	8,897 70	1,135 00	11,382 70	19 08	9 53	28 61	11 33	9 53	20 86	10 77	9 53	20 30	14 50	9 53	24 03
Holland	1,540 00	15,690 38	900 00	18,130 38	.....	.....	.....	.....	.....	.....	.....	.....	.....	12 07	7 26	19 33
Hudson	1,150 00	5,410 00	.....	6,560 00	.....	.....	.....	.....	.....	.....	.....	.....	.....	15 69	7 08	22 77
Ionia	1,440 00	13,588 51	915 40	15,943 91	34 59	6 13	40 72	21 03	6 13	27 16	15 96	6 13	22 09	21 63	6 13	27 76
Iron Mountain	2,500 00	34,642 45	716 00	37,858 45	38 28	5 46	43 74	18 40	5 46	23 86	13 55	5 46	19 01	16 26	5 46	21 72
Ironwood	2,500 00	30,214 39	1,500 00	34,214 39	.....	.....	.....	.....	.....	.....	.....	.....	.....	15 25	7 69	22 94
Ishpeming	3,000 00	40,215 63	4,150 00	47,365 63	.....	.....	.....	.....	.....	.....	.....	.....	.....	16 85	6 22	23 07
Jackson	2,500 00	54,018 76	1,650 00	58,168 76	34 17	8 43	42 60	19 57	8 43	28 00	15 89	8 43	24 32	18 13	8 43	26 56
Kalamazoo	2,300 00	54,990 10	12,805 09	70,095 19	35 15	8 57	43 72	15 38	8 57	23 95	9 87	8 57	18 44	16 33	8 57	24 90
Lansing	1,900 00	44,258 00	1,200 00	47,358 00	24 17	6 67	30 84	14 22	6 67	20 89	14 23	6 67	20 90	17 38	6 67	24 05
Lapeer	1,150 00	7,400 00	600 00	9,150 00	26 09	7 56	33 65	12 11	7 56	19 67	13 74	7 56	21 30	15 83	7 56	23 39
Ludington	1,500 00	19,810 00	1,370 00	22,680 00	.....	.....	.....	.....	.....	.....	.....	.....	.....	15 32	5 51	20 83
Mackinac Island	900 00	1,575 00	.....	2,475 00	.....	.....	.....	.....	.....	.....	.....	.....	.....	17 70	12 42	30 12
Manistee	1,900 00	32,980 42	1,250 00	36,130 42	34 59	7 44	43 03	15 71	7 44	23 15	14 81	7 44	22 25	17 49	7 44	24 93
Manistique	1,500 00	13,001 00	1,100 00	15,601 00	.....	.....	.....	.....	.....	.....	.....	.....	.....	18 38	17 15	35 53
Marine City	1,100 00	6,019 20	400 00	7,519 20	.....	.....	.....	.....	.....	.....	.....	.....	.....	11 84	10 21	22 05
Marquette	1,600 00	24,241 25	5,245 00	31,086 25	.....	.....	.....	.....	.....	.....	.....	.....	.....	20 26	10 51	30 77
Marshall	1,500 00	9,979 50	800 00	12,279 50	.....	.....	.....	.....	.....	.....	.....	.....	.....	18 22	6 44	24 66
Mason	1,150 00	5,405 00	.....	6,655 00	28 04	4 92	32 96	15 25	4 92	20 17	9 03	4 92	13 95	18 85	4 92	23 77
Menominee	1,900 00	27,270 72	1,997 50	31,168 22	27 47	7 91	35 38	10 58	7 91	18 49	11 01	7 91	18 92	13 81	7 91	21 72
Midland	1,100 00	6,125 00	1,200 00	8,425 00	27 71	6 38	34 09	11 98	6 38	18 36	11 04	6 38	17 42	15 84	6 38	22 22
Monroe	1,200 00	8,665 37	900 00	10,765 37	45 43	8 63	54 06	12 85	8 63	21 48	10 97	8 63	19 60	16 43	8 63	25 06
Mt. Cemens	1,500 00	15,750 50	600 00	17,800 50	.....	.....	.....	.....	.....	.....	.....	.....	.....	15 39	5 96	21 35
Mt. Pleasant	1,300 00	6,925 00	437 50	8,662 50	24 26	14 75	39 01	17 15	14 75	31 90	15 98	14 75	30 73	19 23	14 75	33 98
Muskegon	2,500 00	53,068 06	2,700 00	58,268 06	30 74	8 82	39 56	14 86	8 82	23 68	13 28	8 82	22 10	17 06	8 82	25 88
Muskegon Heights	850 00	2,200 00	.....	3,050 00	.....	.....	.....	.....	.....	.....	.....	.....	.....	15 41	14 01	29 42
Negaunee	1,700 00	18,672 00	900 00	21,272 00	42 45	5 99	48 44	15 46	5 99	21 45	16 25	5 99	22 24	17 64	5 99	23 63
Niles	1,600 00	10,186 25	450 00	12,236 25	.....	.....	.....	.....	.....	.....	.....	.....	.....	13 70	1 22	14 92

TABLE XIX.—CONTINUED.

Incorporated cities.	Amount paid superintendent.	Amount paid regular teachers.	Amount paid special teachers.	Total amount paid for instruction.	Cost of education per capita in—											
					High school.			Grammar department.			Primary department.			Whole school.		
					Instruction.	Incidentals.	Total.	Instruction.	Incidentals.	Total.	Instruction.	Incidentals.	Total.	Instruction.	Incidentals.	Total.
North Muskegon	$319 00	$262 50	.....	$581 50	$4 93	$2 64	$7 57	.....	.....	.....	.....	.....	.....	$5 19	$2 64	$7 83
Norway	1,500 00	11,585 25	$475 00	13,560 25	49 87	10 22	60 09	$13 90	$10 22	$24 12	$12 76	$10 22	$22 98	16 09	10 22	26 31
Omer	568 00	1,050 00	.....	1,618 00	.....	.....	.....	.....	.....	.....	.....	.....	.....	10 18	2 80	12 98
Onaway	1,000 00	4,118 50	.....	5,118 50	54 12	8 37	62 49	13 80	8 37	22 17	6 27	8 37	14 64	10 60	8 37	18 97
Owosso	1,600 00	24,296 55	860 00	26,756 55	.....	.....	.....	.....	.....	.....	.....	.....	.....	17 42	15 66	33 08
Petoskey	1,600 00	14,269 58	.....	15,869 58	.....	.....	.....	.....	.....	.....	.....	.....	.....	18 11	88	18 99
Pontiac	2,000 00	19,613 50	1,250 00	22,863 50	28 84	12 81	41 65	14 06	12 81	26 87	11 42	12 81	24 23	14 59	12 81	27 40
Port Huron	1,900 00	38,779 81	600 00	41,279 81	25 00	7 98	32 98	12 60	7 98	20 58	10 50	7 98	18 48	14 01	7 98	21 99
Rose City	570 00	1,233 75	.....	1,803 75	.....	.....	.....	.....	.....	.....	.....	.....	.....	8 92	3 61	12 53
Saginaw	2,400 00	75,949 01	2,425 00	80,774 01	31 66	10 42	42 08	16 76	10 42	27 18	10 86	10 42	21 28	19 70	10 42	30 12
Saginaw, W. S.	1,750 00	37,558 11	2,950 00	42,258 11	.....	.....	.....	.....	.....	.....	.....	.....	.....	13 63	8 95	22 58
Sandusky	600 00	1,359 00	.....	1,959 00	16 24	8 54	24 78	7 50	8 54	16 04	6 14	8 54	14 68	7 23	8 54	15 77
Sault Ste. Marie	2,300 00	29,276 75	2,600 00	34,176 75	25 80	11 70	37 50	13 21	11 70	24 91	12 40	11 70	24 10	16 27	11 70	27 97
South Haven	1,300 00	9,187 42	475 00	10,962 42	23 23	3 83	27 06	13 38	3 83	17 21	10 75	3 83	14 58	13 83	3 83	17 66
St. Clair	1,200 00	5,250 00	370 00	6,820 00	33 39	8 62	42 01	13 09	8 62	21 71	10 44	8 62	19 06	14 67	8 62	23 29
St. Ignace	900 00	3,825 00	.....	4,725 00	.....	.....	.....	.....	.....	.....	.....	.....	.....	12 37	6 14	18 51
St. Johns	1,300 00	9,418 50	516 70	11,235 20	25 69	8 61	34 30	13 75	8 61	22 36	13 32	8 61	21 93	15 64	8 61	24 25
St. Joseph	1,650 00	13,044 55	925 00	15,619 55	37 81	6 95	44 76	14 68	6 95	21 63	11 12	6 95	18 07	15 90	6 95	22 85
St. Louis	1,150 00	6,172 00	500 00	7,822 00	.....	.....	.....	.....	.....	.....	.....	.....	.....	16 38	8 52	24 90
Standish	800 00	3,441 50	.....	4,241 50	.....	.....	.....	.....	.....	.....	.....	.....	.....	12 44	5 94	18 38
Stanton	850 00	2,766 00	.....	3,616 00	25 80	4 83	30 63	11 15	4 83	15 98	10 40	4 83	15 23	13 80	4 83	18 63
Sturgis	1,150 00	4,752 50	380 00	6,282 50	25 25	6 20	31 45	13 79	6 20	29 99	12 02	6 20	18 22	14 31	6 20	20 51
Tawas City	775 00	1,988 75	.....	2,763 75	.....	.....	.....	.....	.....	.....	.....	.....	.....	10 35	12 39	22 74
Three Rivers	1,350 00	11,050 50	427 50	12,828 00	21 71	5 67	27 38	*15 52	5 67	21 19	.....	.....	.....	17 51	5 67	23 18
erse City	1,800 00	22,320 00	1,080 00	25,200 00	.....	.....	.....	.....	.....	.....	.....	.....	.....	13 00	8 25	21 25
y City	1,700 00	28,834 00	600 00	31,134 00	29 31	12 33	41 64	19 66	12 33	31 99	13 50	12 33	25 83	15 74	12 33	28 07
anch	750 00	2,280 00	.....	3,030 00	.....	.....	.....	.....	.....	.....	.....	.....	.....	7 25	1 17	8 42
tte	1,300 00	11,438 75	450 00	13,188 75	.....	.....	.....	.....	.....	.....	.....	.....	.....	13 26	8 44	21 70
.....	900 00	3,000 00	.....	3,900 00	39 75	2 66	42 51	8 74	2 66	11 40	8 42	2 66	11 08	12 34	2 66	15 00
i	1,600 00	14,028 00	1,130 82	16,758 82	27 82	7 49	35 31	14 76	7 49	22 25	14 76	7 49	22 25	16 94	7 49	24 43

* Includes primary department

TABLE XIX.—Continued.

Financial statistics of graded village schools as reported by superintendents for the year 1904-1905.

Incorporated villages.	Amount paid superintendent.	Amount paid regular teachers.	Amount paid special teachers.	Total amount paid for instruction.	Cost of education per capita in—											
					High school.			Grammar department.			Primary department.			Whole school.		
					Instruction.	Incidentals.	Total.	Instruction.	Incidentals.	Total.	Instruction.	Incidentals.	Total.	Instruction.	Incidentals.	Total.
Addison	$800 00	$1,356 25	.....	$2,156 25	$28 50	$7 74	$36 24	$10 00	$7 74	$17 74	$6 28	$7 74	$14 02	$13 14	$7 74	$20 88
Alanson	495 00	1,095 00	.....	1,590 00	35 36	7 95	43 31	7 00	7 95	14 95	4 65	7 95	12 60	12 72	7 95	20 67
Algonac	1,000 00	2,847 50	.....	3,847 50	18 50	7 34	25 84	14 05	7 34	21 39	12 50	7 34	19 84	13 50	7 34	20 84
Allegan	1,400 00	7,299 06	$665 00	9,364 06	24 00	3 17	27 17	8 08	3 17	11 25	11 13	3 17	14 30	15 53	3 17	18 70
Almont	750 00	2,069 59	.....	2,819 50	27 67	3 36	31 03	14 51	3 36	17 87	10 20	3 36	13 56	15 32	3 36	18 68
Applegate	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Armada	750 00	1,542 00	.....	2,292 00	16 95	11 35	28 30	9 66	11 35	21 01	6 85	11 35	18 20	10 50	11 35	21 85
Ashley	450 00	630 00	.....	1,080 00	13 63	1 37	15 00	8 78	1 37	10 15	9 26	1 37	10 63	8 44	1 37	9 81
Athens	600 00	1,225 00	.....	1,825 00	25 77	68	26 45	7 20	68	7 88	11 56	68	12 24	13 13	68	13 81
†Atlanta	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Attica	450 00	250 00	.....	700 00	16 46	1 59	18 05	15 45	1 59	17 04	3 90	1 59	5 49	10 45	1 59	12 04
Augusta	750 00	1,755 00	.....	2,505 00	25 00	19 37	44 37	23 84	19 37	43 21	8 10	19 37	27 47	15 56	19 37	34 93
Baldwin	495 00	540 00	.....	1,035 00	30 94	3 72	34 66	7 80	3 72	11 52	4 82	3 72	8 54	7 34	3 72	11 06
Bancroft	800 00	1,400 00	.....	2,200 00	31 80	2 98	34 78	8 10	2 98	11 08	8 50	2 98	11 48	16 30	2 98	19 28
Bangor	850 00	2,647 00	.....	3,497 00	18 50	9 58	28 08	7 65	9 58	17 23	6 33	9 58	15 91	9 40	9 58	18 98
Baraga	1,200 00	5,370 00	.....	6,570 00	.....	.....	.....	.....	.....	.....	.....	.....	.....	12 98	7 53	20 51
Bear Lake	600 00	697 00	70 00	1,367 00	14 28	3 11	17 39	6 43	3 11	9 54	4 69	3 11	7 80	10 28	3 11	13 39
Bellaire	675 00	2,970 00	.....	3,645 00	20 45	2 34	22 79	8 40	2 34	10 74	6 27	2 34	8 61	10 94	2 34	13 28
Belleville	650 00	800 00	.....	1,450 00	15 85	4 61	20 46	8 69	4 61	13 30	6 45	4 61	11 06	10 66	4 61	15 27
Bellevue	800 00	2,052 00	100 00	2,952 00	24 00	3 03	27 03	12 00	3 03	15 03	13 00	3 03	16 03	14 91	3 03	17 94
Benzonia	700 00	1,372 50	.....	2,072 50	36 80	3 24	40 04	8 47	3 24	12 71	11 52	3 24	14 76	14 39	3 24	17 63
Berrien Springs	800 00	1,620 00	.....	2,420 00	24 61	4 07	28 68	14 60	4 07	18 67	10 00	4 07	14 07	10 12	4 07	14 19
Birmingham	1,000 00	3,267 50	.....	4,267 50	16 66	4 94	21 60	10 98	4 94	15 92	7 61	4 94	12 55	10 75	4 94	15 69
Blissfield, 1 fr	700 00	900 00	.....	1,600 00	21 74	4 43	26 17	8 11	4 43	12 54	5 17	4 43	9 60	11 35	4 43	15 78
Blissfield, 2 fr	750 00	1,450 00	.....	2,200 00	31 94	4 85	36 79	4 00	4 85	8 85	5 88	4 85	10 73	11 96	4 85	16 81

† Not legally graded.

TABLE XIX.—CONTINUED.

Incorporated villages.	Amount paid superintendent.	Amount paid regular teachers.	Amount paid special teachers.	Total amount paid for instruction.	Cost of education per capita in—											
					High school.			Grammar department.			Primary department.			Whole school.		
					Instruction.	Incidentals.	Total.	Instruction.	Incidentals.	Total.	Instruction.	Incidentals.	Total.	Instruction.	Incidentals.	Total.
Bloomingdale	$630 00	$945 00	.....	$1,575 00	$18 80	$4 58	$23 38	$8 90	$4 58	$13 48	$7 92	$4 58	$17 50	$11 58	$4 58	$16 16
Boardman	495 00	863 75	.....	1,358 75	16 50	1 04	17 54	10 30	1 04	11 34	7 75	1 04	8 79	10 45	1 04	11 49
Boyne City	1,000 00	4,544 22	.....	5,544 22	32 38	3 56	35 94	10 48	3 56	14 04	6 66	3 56	10 22	9 86	3 56	13 42
Boyne Falls	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Breedsville	450 00	315 00	.....	765 00	15 00	1 93	16 93	12 00	1 93	13 93	9 00	1 93	10 93	12 34	1 93	14 27
Brighton	850 00	1,590 00	.....	2,440 00	29 76	6 01	35 77	9 50	6 01	15 51	8 75	6 01	14 76	14 58	6 01	20 59
Britton	567 00	630 00	.....	1,197 00	14 92	2 48	17 40	9 13	2 48	11 61	9 13	2 48	11 61	11 18	2 48	13 66
Bronson	712 50	2,522 49	.....	3,234 99	18 09	7 69	25 78	15 55	7 69	23 24	12 22	7 69	19 91	14 70	7 69	22 39
Brooklyn	800 00	1,625 00	.....	2,425 00	30 50	3 35	33 85	12 39	3 35	33 85	10 16	3 35	13 51	16 50	3 35	19 85
Brown City	650 00	1,060 00	.....	1,710 00	20 00	2 63	22 63	6 80	2 63	9 43	6 70	2 63	9 33	8 91	2 63	11 54
Buchanan	975 00	4,654 89	$360 00	5,989 89	36 10	9 35	45 45	17 20	9 35	26 55	14 30	9 35	23 65	21 31	9 35	30 66
Burlington	405 00	500 00	.....	905 00	30 69	1 74	32 43	11 35	1 74	13 09	9 61	1 74	11 35	11 31	1 74	13 05
Burr Oak	585 00	1,792 89	.....	2,377 89	29 31	3 60	32 91	12 82	3 60	16 42	7 13	3 60	10 73	13 43	3 60	17 03
Byron	650 00	975 00	.....	1,625 00	46 43	5 39	51 82	9 39	5 39	14 78	9 69	5 39	15 08	14 00	5 39	19 39
Caledonia	750 00	1,050 00	.....	1,800 00	20 90	4 99	25 89	18 61	4 99	23 60	12 63	4 99	17 62	12 67	4 99	17 66
Camden	500 00	860 00	.....	1,360 00	19 23	7 75	26 98	14 05	7 75	21 80	9 26	7 75	17 01	12 60	7 75	20 35
Capac	600 00	1,350 00	.....	1,950 00	16 29	8 22	24 51	8 76	8 22	16 98	6 46	8 22	14 68	10 10	8 22	18 32
Caro	1,200 00	5,649 50	419 50	7,269 00	19 02	7 05	26 07	15 77	7 05	22 82	13 65	7 05	20 70	15 46	7 05	22 51
Carson City	800 00	2,116 76	.....	2,916 76	21 44	6 36	27 80	11 60	6 36	17 96	9 43	6 36	15 79	12 31	6 36	18 67
[illegible]nville	600 00	600 00	.....	1,200 00	21 43	7 68	29 11	4 84	7 68	12 52	3 41	7 68	11 09	6 74	7 68	14 42
.....	700 00	800 00	.....	1,500 00	17 50	1 74	19 24	8 16	1 74	9 90	4 39	1 74	6 13	11 63	1 74	13 37
.....	585 00	585 00	.....	1,170 00	19 50	1 99	21 49	6 43	1 99	8 42	7 16	1 99	9 15	10 09	1 99	12 08
.....	900 00	3,040 85	200 00	4,140 85	18 30	4 29	22 59	5 00	4 29	9 29	8 00	4 29	12 29	11 69	4 29	15 98
.....	1,000 00	2,945 00	.....	3,945 00	32 00	3 60	35 60	9 00	3 60	12 60	6 00	3 60	9 60	13 56	3 60	17 16
[illegible]ngs	631 85	2,373 75	.....	3,005 60	30 19	6 70	36 89	9 80	6 70	16 50	9 16	6 70	15 86	13 42	6 70	20 12
[illegible] Lake	900 00	2,137 50	337 50	3,375 00	25 00	10 66	35 66	7 00	10 66	17 66	5 50	10 66	16 16	13 18	10 66	23 84
[illegible]ville	800 00	1,755 00	.....	2,555 00	25 78	4 73	30 51	20 43	4 73	25 16	18 60	4 73	23 33	20 94	4 73	25 67
Chelsea	1,000 00	4,640 00	350 00	5,990 00	25 19	5 10	30 29	12 65	5 10	17 75	9 87	5 10	14 97	14 90	5 10	20 00
Cheaning	1,200 00	2,925 00	.....	4,125 00	33 72	4 74	38 46	11 40	4 74	16 14	12 62	4 74	17 36	16 70	4 74	21 44
Clarkston	850 00	1,600 00	.....	2,450 00	37 88	6 88	44 76	11 25	6 88	18 13	6 52	6 88	13 40	20 59	6 88	27 47

Clayton	600 00	495 00	.....	1,095 00	24 00	4 58	28 58	9 31	4 58	13 89	8 04	4 58	12 62	13 36	4 58	17 94
†Clifford	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Climax	450 00	930 00	.....	1,380 00	23 12	4 77	27 89	10 79	4 77	15 56	9 43	4 77	14 20	13 02	4 77	17 79
Clinton	800 00	2,223 00	.....	3,023 00	28 64	3 55	32 19	11 31	3 35	14 86	8 58	3 55	12 13	15 04	3 55	18 59
Clio	700 00	1,940 00	.....	2,640 00	25 71	4 52	30 23	16 07	4 52	20 59	13 41	4 52	17 93	17 72	4 52	22 24
Coloma	630 00	1,548 00	.....	2,178 00	24 00	6 70	30 70	7 73	6 70	14 43	6 15	6 70	12 85	10 28	6 70	16 98
Colon	700 00	2,115 00	.....	2,815 00	26 99	7 54	34 53	12 86	7 54	20 40	12 60	7 54	20 14	17 21	7 54	24 75
Columbiaville	600 00	1,200 00	.....	1,800 00	35 45	9 75	45 20	13 33	9 75	23 08	11 00	9 75	20 75	16 51	9 75	26 26
Concord	725 00	1,407 50	.....	2,132 50	23 13	6 40	29 53	14 08	6 40	20 48	15 11	6 40	21 51	16 66	6 40	23 06
Constantine	1,100 00	2,620 00	.....	3,720 00	26 76	5 30	32 06	14 01	5 30	19 31	8 56	5 31	13 87	15 31	5 30	20 61
Coopersville	600 00	1,330 00	.....	1,930 00	15 54	2 44	17 98	8 75	2 44	11 19	7 92	2 44	10 36	10 60	2 44	13 04
Copemish	550 00	750 00	.....	1,300 00	14 06	86	14 92	12 00	86	12 86	7 00	86	7 86	11 21	86	12 07
†Croton	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Custer	450 00	315 00	.....	855 00	.....	.....	.....	10 60	1 71	12 31	5 16	1 71	6 87	7 63	1 71	9 34
†Daggett	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Dansville	700 00	960 00	.....	1,660 00	21 05	1 07	22 12	16 52	1 07	17 59	12 97	1 07	14 04	16 94	1 07	18 01
Davison	600 00	1,650 00	.....	2,250 00	21 13	7 08	28 21	15 20	7 08	22 28	11 25	7 08	18 33	12 10	7 08	19 18
Dearborn	750 00	1,800 00	100 00	2,650 00	40 00	3 36	43 36	6 30	3 36	9 66	5 96	3 36	9 32	9 38	3 36	12 74
Decatur	1,000 00	2,412 00	.....	3,412 00	14 64	3 60	18 24	8 84	3 60	12 44	7 02	3 60	10 62	11 86	3 60	15 46
Deckerville	540 00	675 00	.....	1,215 00	22 00	4 85	26 85	6 30	4 85	11 15	5 00	4 85	9 85	7 95	4 85	12 80
Deerfield	630 00	1,170 00	.....	1,800 00	31 50	1 16	32 66	9 69	1 16	10 85	6 21	1 16	7 37	10 46	1 16	11 62
Delray	1,650 00	18,787 34	1,810 00	22,247 34	48 20	17 75	65 95	16 50	17 75	34 25	16 50	17 75	24 25	16 82	17 75	34 57
Detour	700 00	2,005 00	.....	2,705 00	35 00	5 30	40 30	.....	.....	.....	.....	.....	.....	13 66	5 30	18 96
Dexter	765 00	2,070 00	135 00	2,970 00	22 69	3 56	26 25	9 26	3 56	12 82	8 74	3 56	12 30	12 53	3 56	16 09
Douglas	540 00	720 00	.....	1,260 00	54 00	4 90	58 90	10 80	4 90	15 70	7 20	4 90	12 10	11 45	4 90	16 35
Dryden	650 00	650 00	.....	1,300 00	26 00	2 76	28 76	10 00	2 76	12 76	5 66	2 76	8 42	11 50	2 76	14 26
Dundee	750 00	3,637 50	36 00	4,423 50	30 00	3 64	33 64	12 00	3 64	15 64	7 00	3 64	10 64	20 11	3 64	23 75
Durand	1,000 00	4,710 00	.....	5,710 00	39 80	12 92	52 72	12 20	12 92	25 12	9 50	12 92	22 42	14 10	12 92	27 02
†Eagle	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
East Grand Rapids	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
East Jordan	1,000 00	2,790 00	.....	3,790 00	16 96	5 71	22 67	13 36	5 71	19 07	9 54	5 71	15 25	12 11	5 71	17 81
Eau Claire	000 00	990 00	.....	1,590 00	21 00	1 44	23 04	10 00	1 44	12 04	12 11	1 44	13 55	14 32	1 44	15 76
Ecorse	675 00	1,600 00	.....	2,275 00	55 55	5 37	60 92	17 97	5 37	23 34	7 50	5 37	12 87	16 25	5 37	21 62
Edmore	600 00	1,330 00	.....	1,930 00	18 75	2 38	21 13	7 96	2 38	10 34	7 73	2 38	10 11	10 78	2 38	13 16
Elk Rapids	1,300 00	5,347 50	.....	6,647 50	24 34	11 64	35 98	12 34	11 64	23 98	13 50	11 64	25 14	14 77	11 64	26 41
Elkton	800 00	1,230 00	.....	2,030 00	25 00	8 11	33 11	9 00	8 11	17 11	8 00	8 11	16 11	8 98	8 11	17 07
Elsie	570 00	1,092 50	.....	1,662 50	17 81	7 52	25 33	8 03	7 52	15 55	8 04	7 52	15 56	9 90	7 52	17 42
†Emmet	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Empire	700 00	945 00	.....	1,645 00	14 00	6 63	20 63	8 00	6 63	14 63	7 00	6 63	13 63	9 67	6 63	16 30
Essexville	700 00	1,200 00	400 00	2,300 00	.....	.....	.....	19 52	12 35	31 87	13 90	12 35	26 25	16 43	12 35	28 78
Evart	1,150 00	4,963 75	.....	6,113 75	34 23	7 50	41 73	16 82	7 50	24 32	15 90	7 50	23 40	20 18	7 50	27 68
†Fairgrove	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
†Fairview	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Farmington	700 00	900 00	92 45	1,692 45	28 00	4 10	32 10	7 76	4 10	11 86	7 03	4 10	11 13	11 51	4 10	15 61
Farwell	585 00	1,179 00	.....	1,764 00	17 73	3 21	20 94	8 74	3 21	11 95	8 10	3 21	11 31	10 08	3 21	13 29

† Not legally graded

TABLE XVIII.—CONTINUED.

Incorporated villages.	Average number pupils to each teacher.				Number of non-resident pupils.				Rate of tuition per year.			Average age of class		
	High school department.	Grammar department.	Primary department.	Whole school.	High school department.	Grammar department.	Primary department.	Whole school.	High school department.	Grammar department.	Primary department.	Graduated.	Promoted to high school.	Promoted to grammar department.
Oakley	.....	27	34	30	....	2	1	3	.....	4 00	4 00	.....	13	.....
Olivet	32	30	34	32	31	6	2	39	12 00	10 00	10 00	17	14	10
Onekama	34	38	48	40	2	....	....	2	7 50	5 00	5 00	17	14	10
Ontonagon	29	41	28	33	13	5	....	18	9 00	4 50	4 50	18	.....	.....
Orion	17	27	34	26	14	4	1	19	10 00	8 00	8 00	18	14	10
Ortonville	35	30	38	34	22	6	1	29	10 00	10 00	7 50	18	16	10
Oscoda	16	40	57	41	....	....	....	....	6 00	6 00	6 00	17	14	10
Otisville	44	40	61	48	23	2	4	29	10 00	8 00	6 00	18	13.2	9.1
Otsego	21	40	32	31	22	1	....	23	13 00	10 50	10 50	18	14	10
Otter Lake	.....	30	30	30	....	12	....	12	.....	6 00	6 00	.....	16	.....
Ovid	28	33	35	32	24	6	....	30	15 00	12 00	10 00	18.5	14.2	10.7
Owendale	.....	.....	63	63	.....	.....	.....	.....	.....	.....	.....	.....	15	.....
Oxford	20	20	42	27	22	....	....	22	12 00	.....	.....	18	.....	.....
Parma	20	24	59	41	16	1	1	18	12 00	10 50	7 50	16.5	13	8
Paw Paw	29	44	47	39	56	13	3	72	13 00	12 00	10 00	18.7	14	10
†Peck	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Pentwater	16	47	44	37	2	1	4	7	9 00	6 00	3 00	18	12.5	8
†Perrinton	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Perry	13	20	38	24	16	8	3	27	10 00	10 00	7 50	18	14	.....
Petersburg	16	34	42	30	13	2	1	16	13 50	9 00	6 75	16	15	10
Pewamo	36	32	38	35	9	2	1	12	9 00	9 00	9 00	18	13	9
Pierson	7	54	35	47	....	....	....	....	6 00	6 00	6 00	16	.....	.....
Pigeon	34	63	68	55	16	....	....	16	10 00	.....	.....	17	.....	.....
Pinckney	17	23	52	31	13	....	....	13	15 00	12 50	10 00	17	14	9
Pinconning	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Plainwell	22	24	46	30	39	4	1	44	15.00	12 00	9 00	18	13	10
Plymouth	22	40	47	36	30	5	....	35	14 00	11 00	8 00	17.7	14.6	11
Port Austin	15	35	67	39	....	4	15	19	.....	5 00	3 50	17	.....	.....
Port Hope	26	26	22	25	4	....	....	4	10 00	5 00	3 50	.....	.....	.....
Portland	18	26	41	30	30	3	7	40	15 20	11 40	11 40	18	14	10
Port Sanilac	34	29	41	34	7	....	....	7	7 20	7 20	7 20	16	.....	.....
Potterville	38	34	37	36	8	2	....	10	3 40	3 40	2 00	15	.....	.....
Quincy	18	57	43	39	31	1	1	33	14 00	10 00	7 50	18	14	9
Reading	26	34	48	40	46	8	1	55	14 25	14 25	11 38	19	14	10
¶Red Jacket	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Reed City	24	37	41	34	17	8	2	27	15 00	15 00	10 00	17.5	.....	.....
†Reese	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Richland	20	19	28	22	13	....	....	13	14 00	9 00	9 00	.....	.....	.....
Richmond	13	26	31	23	21	5	....	26	13 50	11 25	9 00	17	14	10
River Rouge	11	34	42	29	....	1	....	1	.....	.....	.....	15	13	10
Rochester	21	45	42	37	15	10	2	27	13 00	10 00	8 00	17	13.2	11
Rockford	16	29	32	26	19	15	4	38	14 00	12 00	10 00	17	13	9
Rogers	24	35	38	32	....	....	....	....	.....	.....	.....	14	.....	.....
Romeo	18	32	37	29	23	4	....	27	16 00	14 00	8 00	18	15.5	10.3
Roscommon	24	30	45	33	3	....	....	3	5 00	5 00	5 00	15	.....	.....
Royal Oak	15	43	43	34	16	5	5	26	12 00	9 00	9 00	19	15	10
St. Charles	19	49	81	49	2	....	....	2	10 00	10 00	10 00	17	.....	.....
†St. Clair Heights	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Saline	15	34	34	28	17	9	1	27	16 00	13 00	10 00	17	13.5	9
Sand Lake	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Saranac	27	31	38	32	15	17	3	35	13 00	10 00	10 00	18	13.7	9.5
Saugatuck	.....	.....	.....	32	26	....	....	26	12 00	12 00	12 00	.....	.....	.....
Schoolcraft	18	34	41	31	14	8	4	26	18 00	14 40	10 80	18	14	10
Scottville	28	26	26	27	20	....	....	20	11 75	11 75	11 75	18	14	11
Sebewaing	28	43	41	37	5	3	....	8	5 00	5 00	5 00	17	14	11

† Not legally graded.
¶ Report included with Calumet which is not incorporated.

TABLE XVIII.—CONTINUED.

Number of graduates.	Number of U. S. flags.	Has school kindergarten below primary grade?	Portion of time in first primary devoted to kindergarten work.	Number of grades in the school.	Number of pupils studying—				Does school give special instruction in—					Has school a commercial course?	Is the compulsory attendance law enforced?	Has school an ungraded department?	Has school a day school for the deaf?
					Latin.	Greek.	French.	German.	Vocal music?	Drawing?	Penmanship?	Manual training?	Domestic science?				
3	1	No	.....	9	.....	....	....	.....	No	No	No	No	No	No	Yes	No	No
13	....	No	1-10	12	19	....	....	17	Yes	No	No	No	No	No	Yes	No	No
4	1	No	.....	12	.....	....	....	6	No	No	Yes	No	No	No	No	No	No
17	1	No	.....	12	.....	....	....	17	Yes	Yes	Yes	No	No	No	Yes	No	No
7	1	No	1-3	12	.....	....	....	10	No	No	No	No	No	No	No	No	No
3	1	No	.....	12	.....	....	....	.....	No	No	No	No	No	No	No	No	No
5	2	Yes	1-2	11	.....	....	....	.....	No	No	No	No	No	No	No	No	No
6	1	No	.....	10	.....	....	....	.....	No	No	No	No	No	No	No	No	No
10	1	No	1-3	12	22	....	....	21	Yes	Yes	No	No	No	Yes	Yes	No	No
6	1	No	.....	10	.....	....	....	.....	No	No	No	No	No	No	No	No	No
14	1	No	1-2	12	40	....	....	25	Yes	No	No	No	No	No	Yes	No	No
1	1	No	.....	8	.....	....	....	.....	No	No	Yes	No	No	No	No	No	No
11	....	No	.....	12	58	....	....	24	Yes	Yes	Yes	No	No	No	No	No	No
10	1	No	.....	12	.....	....	....	.....	Yes	No	Yes	No	No	No	No	No	No
14	1	No	1-3	12	40	....	....	25	No	No	No	No	No	Yes	No	No	No
6	1	Yes	.....	12	.....	....	....	.....	No	Yes	No	No	No	No	Yes	No	No
5	1	Yes	1-8	12	6	....	....	.....	No	No	No	No	No	No	Yes	No	No
3	1	Yes	.....	12	16	....	....	13	No	No	No	No	No	No	No	No	No
7	1	No	1-4	11	.....	....	....	.....	No	No	No	No	No	No	No	No	No
4	1	No	.....	10	.....	....	....	.....	No	No	Yes	No	No	No	Yes	No	No
2	1	No	.....	.....	.....	....	....	.....	No	No	No	No	No	No	No	No	No
5	1	No	1-2	12	.....	....	....	.....	No	No	Yes	No	No	Yes	Yes	No	No
13	3	Yes	1-3	12	30	....	....	15	Yes	No	Yes	No	No	Yes	Yes	No	No
15	1	Yes	.....	12	33	....	....	21	No	No	No	No	No	No	No	No	No
2	1	No	.....	12	.....	....	....	.....	No	No	No	No	No	No	No	No	No
6	1	No	1-5	10	.....	....	....	.....	No	No	No	No	No	No	Yes	No	No
9	2	No	1-3	12	32	....	....	20	Yes	Yes	No	No	No	Yes	Yes	No	No
6	1	No	.....	11	.....	....	....	.....	No	No	No	No	No	No	Yes	No	No
....	....	No	1-6	10	8	....	....	.....	No	No	No	No	No	No	No	No	No
13	1	No	1-4	12	22	....	....	18	No	No	Yes	No	No	No	No	No	No
11	1	No	1-25	12	25	....	....	15	No	No	No	No	No	No	Yes	No	No
12	3	Yes	.....	12	69	....	....	17	No	No	Yes	No	No	No	Yes	No	No
10	1	No	.....	12	7	....	....	5	No	Yes	Yes	No	No	No	Yes	No	No
4	2	No	1-10	12	14	....	....	.....	No	No	No	No	No	No	Yes	No	No
....	2	Yes	1-2	10	.....	....	....	.....	No	Yes	Yes	No	No	No	Yes	No	No
9	1	Yes	1-2	12	9	....	....	3	No	No	No	No	No	No	Yes	No	No
7	1	No	1-5	12	28	....	....	.....	No	No	No	No	No	Yes	Yes	No	No
4	2	No	1-5	10	.....	....	....	.....	No	No	No	No	No	No	Yes	No	No
12	3	No	1-3	12	12	4	....	28	No	Yes	No	No	No	Yes	No	No	No
....	1	No	1-2	10	.....	....	....	.....	No	No	Yes	No	No	No	No	No	No
3	1	No	.....	12	17	....	....	.....	No	No	Yes	No	No	No	No	No	No
3	1	Yes	.....	12	6	....	....	.....	No	No	No	No	No	No	No	No	No
8	1	Yes	1-3	12	30	....	....	15	No	No	No	No	No	No	Yes	No	No
4	....	No	1-4	12	11	....	....	.....	No	No	No	No	No	No	No	No	No
23	....	No	.....	11	36	....	....	25	No	No	No	No	No	Yes	Yes	Yes	No
3	1	Yes	1-3	12	15	....	....	8	No	No	Yes	No	No	No	Yes	No	No
2	1	Yes	.....	12	24	....	....	10	Yes	Yes	Yes	No	No	Yes	Yes	No	No
3	2	No	1-3	11	.....	....	....	.....	No	No	No	No	No	No	No	No	No

TABLE XVIII.—CONCLUDED.

Incorporated villages.	Average number pupils to each teacher.				Number of non-resident pupils.				Rate of tuition per year.			Average age of class		
	High school department.	Grammar department.	Primary department.	Whole school.	High school department.	Grammar department.	Primary department.	Whole school.	High school department.	Grammar department.	Primary department.	Graduated.	Promoted to high school.	Promoted to grammar department.
Shelby	21	36	36	34	13	1	1	15	12 00	12 00	12 00	17.7	13.2	10.6
Shepherd	30	46	46	41	17	....	....	17	12 50	.....	.....	.....	.....	.....
Sheridan	30	35	50	38	18	3	2	23	10 00	7 50	5 00	.....	.....	.....
Sherman	32	44	79	52	12	....	....	12	9 00	9 00	9 00	16	.....	.....
Sherwood	14	25	30	23	10	9	2	21	9 00	9 00	9 00	18	14	8
†Sibley	.....	.....	.....	.....	....	....	....	....	.....	.....	.....	.....	.....	.....
†South Frankfort	.....	.....	.....	.....	....	....	....	....	.....	.....	.....	.....	.....	.....
South Lyon	22	46	21	29	27	4	....	31	12 00	10 50	10 50	18	15	8
Sparta	28	46	37	37	9	....	1	10	20 00	15 00	15 00	18	.....	.....
Spring Lake	18	27	45	30	....	....	2	2	9 00	6 75	4 50	16	.....	.....
Springport	12	25	30	22	17	....	....	17	10 00	.....	.....	17	.....	.....
Stambaugh	9	21	29	20	....	2	5	7	.....	.....	.....	16	.....	.....
†Stephenson	.....	.....	.....	.....	....	....	....	....	.....	.....	.....	.....	.....	.....
Stevensville	19	46	36	34	12	....	....	12	12 50	7 50	7 50	19	13	9
Stockbridge	24	40	40	35	20	4	4	28	12 50	10 00	7 50	18.3	.....	.....
Sunfield	18	28	32	26	11	....	....	11	9 50	9 50	9 50	.....	.....	.....
Sutton's Bay	20	23	20	21	1	3	....	4	10 00	7 50	7 50	.....	.....	.....
Tecumseh	24	41	35	33	51	11	....	62	16 67	13 33	11 67	18	13	8
Tekonsha	16	26	52	31	20	....	....	20	4 00	3 50	3 00	16	14	9
Thompsonville	14	40	36	30	....	....	....	....	.....	.....	.....	17	14	11
Three Oaks	33	37	37	36	17	2	1	20	15 00	12 50	10 00	17	13	9
Trenton	4	36	45	38	1	3	....	4	10 00	8 00	6 00	15	13	8
Tustin	14	32	42	29	4	....	....	4	9 00	9 00	9 00	16	.....	.....
Twining	.....	.....	.....	.....	....	....	....	....	.....	.....	.....	.....	.....	.....
†Ubly	.....	.....	.....	.....	....	....	....	....	.....	.....	.....	.....	.....	.....
Union City	24	26	25	25	28	14	7	49	15 00	4 00	3 00	18	.....	.....
Unionville	33	45	75	52	11	....	....	11	10 00	.....	.....	17.7	.....	.....
Utica	18	34	38	30	14	....	....	14	13 00	.....	.....	18	13	9
Vandalia	21	30	31	27	12	....	....	12	9 00	.....	.....	18	.....	.....
†Vanderbilt	.....	.....	.....	.....	....	....	....	....	.....	.....	.....	.....	.....	.....
Vassar	21	30	32	28	40	....	1	41	12 00	10 00	8 00	17.5	.....	.....
Vermontville	21	31	30	26	33	....	....	33	13 30	9 50	9 50	19	14	.....
Vernon	24	31	31	28	....	....	....	....	10 00	10 00	7 50	17	.....	.....
Vicksburg	26	33	30	30	38	4	1	43	15 00	14 20	10 00	18	14	9.7
Wakefield	15	25	39	37	....	....	....	....	.....	.....	.....	.....	.....	.....
Waldron	20	33	40	31	3	3	....	6	11 25	11 25	11 25	16	.....	.....
Warren	.....	52	52	52	....	3	....	3	.....	.....	.....	.....	.....	.....
Watervliet	22	38	42	34	15	6	3	24	11 25	9 00	6 75	17	.....	.....
Wayland	45	39	61	45	42	1	....	43	11 00	9 00	7 00	18	12	8
Wayne	34	36	45	39	32	19	4	55	14 00	10 00	8 00	18.2	14.1	10
Webberville	27	31	48	35	5	....	1	6	9 00	9 00	9 00	16	14.7	9
†Westphalia	.....	.....	.....	.....	....	....	....	....	.....	.....	.....	.....	.....	.....
White Cloud	20	52	55	42	5	2	....	7	9 00	9 00	6 75	.....	.....	.....
Whitehall	32	35	37	34	12	1	....	13	9 50	9 50	9 50	17	14	11
White Pigeon	21	18	29	23	16	1	5	22	15 00	12 00	9 00	18	14	10
Williamston	20	43	40	34	40	9	4	53	14 00	10 00	8 00	19	13.5	11
Wolverine	31	34	46	37	6	4	1	11	18 00	11 25	11 25	.....	.....	.....
Woodland	26	22	35	28	17	5	2	24	10 80	10 80	7 20	16	12	9
†Woodmere	.....	.....	.....	.....	....	....	....	....	.....	.....	.....	.....	.....	.....
Zeeland	20	45	49	41	....	....	....	....	10 00	6 00	6 00	16	.....	.....

† Not legally graded.

TABLE XVIII.—CONCLUDED.

Number of graduates.	Number of U. S. flags.	Has school kindergarten below primary grade?	Portion of time in first primary devoted to kindergarten work.	Number of grades in the school.	Number of pupils studying—				Does school give special instruction in—					Has school a commercial course?	Is the compulsory attendance law enforced?	Has school an ungraded department?	Has school a day school for the deaf?
					Latin.	Greek.	French.	German.	Vocal music?	Drawing?	Penmanship?	Manual training?	Domestic science?				
3	1	Yes	.....	12	15	....	....	.....	No	No	No	No	No	No	Yes	No	No
....	1	No	1–5	11	.....	....	....	.....	No	No	Yes	No	No	No	Yes	No	No
....	1	No	.....	11	.....	....	....	.....	No	No	Yes	No	No	No	No	No	No
4	1	No	1–2	11	.....	....	....	.....	No	Yes	Yes	No	No	Yes	Yes	No	No
4	1	No	1–5	12	10	....	....	.....	No	No	Yes	No	No	No	No	No	No
....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
4	1	No	2–5	12	30	....	....	.....	Yes	No	No	No	No	No	No	No	No
13	1	Yes	1–2	13	4	....	....	17	No	Yes	Yes	No	No	No	Yes	No	No
6	1	No	1–3	10	.....	....	....	.....	No	No	Yes	No	No	No	Yes	No	No
10	1	Yes	.....	12	18	....	....	.....	Yes	No	No	No	No	No	Yes	No	No
3	2	Yes	1–2	11	.....	....	....	.....	No	Yes	Yes	No	No	Yes	Yes	No	No
3	1	Yes	.....	12	10	....	....	.....	Yes	No	No	No	No	No	Yes	No	No
3	1	Yes	.....	12	.....	....	....	.....	No	No	No	No	No	Yes	Yes	No	No
....	1	No	1–3	12	3	....	....	.....	No	No	Yes	No	No	No	Yes	No	No
2	1	No	1–2	12	.....	....	....	.....	No	Yes	Yes	No	No	No	No	No	No
13	2	No	1–4	12	61	....	....	30	Yes	Yes	Yes	No	No	No	Yes	No	No
....	1	No	.....	12	15	....	....	.....	No	No	Yes	No	No	No	No	No	No
....	1	No	1–5	12	3	....	....	.....	No	No	No	No	No	No	Yes	No	No
12	2	No	1–4	12	31	....	....	21	Yes	No	No	No	No	No	Yes	No	No
....	1	Yes	1–2	10	.....	....	....	.....	No	No	No	No	No	No	Yes	No	No
4	1	No	2–5	12	.....	....	....	.....	No	Yes	Yes	No	No	No	No	No	No
....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
14	1	Yes	.....	12	25	....	3	20	Yes	No	No	No	No	No	Yes	No	No
4	1	No	1–10	12	.....	....	....	.....	No	Yes	Yes	No	No	Yes	Yes	No	No
5	1	No	.....	12	30	....	....	.....	No	No	No	No	No	No	No	No	No
6	1	No	.....	12	6	....	....	.....	No	No	Yes	No	No	No	No	No	No
14	3	No	1–4	12	38	....	....	14	Yes	No	No	No	No	Yes	No	No	No
9	1	Yes	1–4	12	33	....	....	15	No	No	No	No	No	No	Yes	No	No
5	1	No	.....	12	10	....	....	.....	No	No	No	No	No	No	Yes	No	No
9	....	Yes	3–10	12	40	....	....	24	Yes	No	No	No	No	No	Yes	No	No
5	6	Yes	.....	10	.....	....	....	.....	Yes	No	Yes	No	No	Yes	Yes	No	No
7	2	No	.....	10	.....	....	....	.....	No	No	Yes	No	No	No	Yes	No	No
....	1	No	.....	9	.....	....	....	.....	No	No	No	No	No	No	Yes	No	No
6	1	No	1–10	12	12	....	....	.....	No	No	No	No	No	No	No	No	No
6	1	No	1–5	11	.....	....	....	.....	No	No	No	No	No	No	Yes	No	No
12	1	No	1–8	12	34	....	....	15	No	Yes	Yes	No	No	No	No	No	No
6	1	No	1–2	10	.....	....	....	.....	No	No	No	No	No	Yes	Yes	No	No
....	1	No	1–5	10	.....	....	....	.....	No	No	No	No	No	Yes	No	No	No
4	1	No	1–4	12	.....	....	....	.....	Yes	No	No	No	No	Yes	Yes	No	No
7	1	No	.....	12	18	....	....	12	No	No	No	No	No	Yes	Yes	No	No
14	....	No	1–10	12	14	....	....	12	Yes	No	Yes	No	No	No	No	No	No
....	1	No	1–5	11	8	....	....	.....	No	No	No	No	No	No	No	No	No
16	1	No	1–10	10	.....	....	....	.....	No	No	No	No	No	No	Yes	No	No
8	1	Yes	1–2	11	.....	....	....	.....	Yes	Yes	No	No	No	Yes	Yes	No	No

TABLE XIX.

Financial statistics of city schools as reported by superintendents for the year 1904-1905.

Incorporated cities.	Amount paid superintendent.	Amount paid regular teachers.	Amount paid special teachers.	Total amount paid for instruction.	Cost of education per capita in—											
					High school.			Grammar department.			Primary department.			Whole school.		
					Instruction.	Incidentals.	Total.	Instruction.	Incidentals.	Total.	Instruction.	Incidentals.	Total.	Instruction.	Incidentals.	Total.
Adrian	$1,600 00	$20,780 50	$1,350 00	$23,730 50	$33 46	$14 75	$48 21	$15 77	$14 75	$30 52	$12 22	$14 75	$26 97	$16 59	$14 75	$31 34
Albion	1,600 00	11,249 85	1,035 50	13,885 35	.....	.....	.....	.....	.....	.....	.....	.....	.....	15 79	7 47	23 26
Alma	1,200 00	5,289 47	425 00	6,914 47	31 25	19 79	51 04	10 87	19 79	30 66	11 45	19 79	31 24	15 36	19 79	35 15
Alpena	1,500 00	21,423 00	.....	22,923 00	.....	.....	.....	.....	.....	.....	.....	.....	.....	12 85	4 18	17 03
Ann Arbor	2,400 00	42,315 40	3,150 00	47,865 40	41 43	10 57	52 00	16 07	10 57	26 64	16 07	10 57	26 64	21 90	10 57	32 47
Au Gres	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Au Sable	700 00	2,686 10	.....	3,386 10	.....	.....	.....	.....	.....	.....	.....	.....	.....	10 48	4 80	15 28
Bad Axe	800 00	3,850 00	.....	4,650 00	22 73	6 84	29 57	11 02	6 84	17 86	12 15	6 84	18 99	13 80	6 84	20 64
Battle Creek	2,200 00	48,050 00	3,650 00	53,900 00	31 19	10 69	41 88	13 68	10 69	24 37	10 90	10 69	21 59	17 18	10 69	27 87
Bay City	2,400 00	59,515 04	3,525 00	65,440 04	37 50	6 93	44 43	16 69	6 93	23 62	13 40	6 93	20 33	17 20	6 93	24 13
Beaverton	650 00	2,320 00	.....	2,970 00	23 50	2 21	25 71	17 30	2 21	19 51	6 77	2 21	8 98	11 39	2 21	13 60
Belding	1,200 00	6,012 50	495 00	7,707 50	22 76	7 24	30 00	14 26	7 24	21 50	10 24	7 24	17 48	13 40	7 24	20 64
Benton Harbor	1,600 00	14,217 50	450 00	16,267 50	25 95	6 30	32 25	12 79	6 30	19 09	11 70	6 30	18 00	11 22	6 30	17 52
Bessemer	1,500 00	14,770 00	.....	16,270 00	37 81	11 55	49 36	20 21	11 55	31 76	13 24	11 55	24 79	18 53	11 55	30 08
Big Rapids	1,500 00	9,934 77	500 00	11,934 77	20 15	5 03	25 18	14 74	5 03	19 77	15 00	5 03	20 03	15 81	5 03	20 84
Cadillac	1,250 00	15,639 82	350 00	17,239 82	.....	.....	.....	.....	.....	.....	.....	.....	.....	12 27	4 44	16 71
Charlevoix	1,000 00	6,707 87	877 30	8,585 17	24 40	66	25 06	16 11	66	16 77	13 86	66	14 52	16 32	66	16 98
Charlotte	1,500 00	10,696 50	635 00	12,831 50	20 67	6 05	26 72	15 26	6 05	21 31	14 27	6 05	20 32	14 18	6 05	20 23
Cheboygan	1,200 00	10,839 50	600 00	12,639 50	24 45	7 34	31 79	12 91	7 34	20 25	9 37	7 34	16 71	11 93	7 34	19 27
Clare	800 00	3,531 25	.....	4,331 25	.....	.....	.....	.....	.....	.....	.....	.....	.....	12 17	2 90	15 07
Coldwater	1,400 00	13,025 70	.....	14,425 70	.....	.....	.....	.....	.....	.....	.....	.....	.....	14 76	6 03	20 79
Coleman	750 00	2,700 00	.....	3,450 00	34 00	7 19	41 19	8 35	7 19	15 54	5 86	7 19	13 05	10 18	7 19	17 37
Corunna	1,200 00	4,000 00	280 00	5,480 00	21 44	6 49	27 93	22 53	6 49	29 02	12 60	6 49	19 09	16 82	6 49	23 31
Croswell	800 00	2,333 40	.....	3,133 40	20 65	3 97	24 62	7 85	3 97	11 82	6 90	3 97	10 87	11 56	3 97	15 53
[illegible]stal Falls	1,550 00	11,529 25	600 00	13,679 25	.....	.....	.....	.....	.....	.....	.....	.....	.....	16 84	16 01	32 85
.....	4,000 00	790,184 58	9,000 00	803,184 58	50 96	7 25	58 26	24 68	7 25	31 93	16 62	7 25	23 87	22 48	7 25	29 73
.....	1,500 00	10,221 25	450 00	12,171 25	23 36	6 36	29 72	14 24	6 36	20 60	11 67	6 36	18 03	13 95	6 36	20 31
[illegible]s	850 05	3,245 00	.....	4,095 05	.....	.....	.....	.....	.....	.....	.....	.....	.....	8 94	8 83	17 77
[illegible]pids	900 00	4,987 40	400 00	6,287 40	.....	.....	.....	.....	.....	.....	.....	.....	.....	16 50	3 63	20 13
.....	2,000 00	23,898 13	1,653 15	27,551 28	32 82	2 65	35 47	13 18	2 65	15 83	12 45	2 65	15 10	14 65	2 65	17 30

Flint	1,600 00	33,271 87	1,550 00	36,421 87										16 16	9 94	26 10
Gladstone	1,100 00	9,000 00		10,100 00	27 00	5 75	32 75	11 70	5 75	17 45	11 45	5 75	17 20	14 13	5 75	19 88
Gladwin	650 00	1,400 00		2,050 00										16 92	18 64	35 56
Grand Haven	1,450 00	11,565 50	225 00	13,240 50										13 29	8 17	21 46
Grand Ledge, 9 fr	850 00	3,331 00	150 00	4,331 00	34 32	6 76	41 08	11 00	6 76	17 76	10 31	6 76	17 07	16 79	6 76	23 55
Grand Ledge, 11 fr	650 00	1,475 00		2,125 00				18 92	4 99	23 91	6 36	4 99	11 35	11 30	4 99	16 29
Grand Rapids	3,500 00	276,913 50	5,000 00	285,413 50	36 39	10 12	46 51	24 44	10 12	34 56	20 06	10 12	30 18	22 12	10 12	32 24
Greenville	1,200 00	9,100 00	950 00	11,250 00	26 49	3 96	30 45	10 47	3 96	14 43	12 17	3 96	16 13	15 50	3 96	19 46
Hancock	1,750 00	12,950 00		14,700 00	39 71	8 69	48 40	12 47	8 69	21 16	9 78	8 69	18 47	15 61	8 69	24 30
Harrison	550 00	990 00		1,540 00	23 14	4 62	32 76	10 75	4 62	15 37	21 07	4 62	25 69	11 84	4 62	16 46
Harrisville	540 00	1,080 00		1,620 00	19 00	2 83	21 83	12 00	2 83	14 83	9 00	2 83	11 83	11 25	2 83	14 08
Hastings	1,100 00	9,805 15	850 00	11,755 15	32 89	18 02	50 91	17 47	18 02	35 49	15 25	18 02	33 27	19 82	18 02	37 84
Hillsdale	1,350 00	8,897 70	1,135 00	11,382 70	19 08	9 53	28 61	11 33	9 53	20 86	10 77	9 53	20 30	14 50	9 53	24 03
Holland	1,540 00	15,690 38	900 00	18,130 38										12 07	7 26	19 33
Hudson	1,150 00	5,410 00		6,560 00										15 69	7 08	22 77
Ionia	1,440 00	13,588 51	915 40	15,943 91	34 59	6 13	40 72	21 03	6 13	27 16	15 96	6 13	22 09	21 63	6 13	27 76
Iron Mountain	2,500 00	34,642 45	716 00	37,858 45	38 28	5 46	43 74	18 40	5 46	23 86	13 55	5 46	19 01	16 26	5 46	21 72
Ironwood	2,500 00	30,214 39	1,500 00	34,214 39										15 25	7 69	22 94
Ishpeming	3,000 00	40,215 63	4,150 00	47,365 63										16 85	6 22	23 07
Jackson	2,500 00	54,018 76	1,650 00	58,168 76	34 17	8 43	42 60	19 57	8 43	28 00	15 89	8 43	24 32	18 13	8 43	26 56
Kalamazoo	2,300 00	54,990 10	12,805 09	70,095 19	35 15	8 57	43 72	15 38	8 57	23 95	9 87	8 57	18 44	16 33	8 57	24 90
Lansing	1,900 00	44,258 00	1,200 00	47,358 00	24 17	6 67	30 84	14 22	6 67	20 89	14 23	6 67	20 90	17 38	6 67	24 05
Lapeer	1,150 00	7,400 00	600 00	9,150 00	26 09	7 56	33 65	12 11	7 56	19 67	13 74	7 56	21 30	15 83	7 56	23 39
Ludington	1,500 00	19,810 00	1,370 00	22,680 00										15 32	5 51	20 83
Mackinac Island	900 00	1,575 00		2,475 00										17 70	12 42	30 12
Manistee	1,900 00	32,980 42	1,250 00	36,130 42	34 59	7 44	43 03	15 71	7 44	23 15	14 81	7 44	22 25	17 49	7 44	24 93
Manistique	1,500 00	13,001 00	1,100 00	15,601 00										18 38	17 15	35 53
Marine City	1,100 00	6,019 20	400 00	7,519 20										11 84	10 21	22 05
Marquette	1,600 00	24,241 25	5,245 00	31,086 25										20 26	10 51	30 77
Marshall	1,500 00	9,979 50	800 00	12,279 50										18 22	6 44	24 66
Mason	1,150 00	5,405 00		6,655 00	28 04	4 92	32 96	15 25	4 92	20 17	9 03	4 92	13 95	18 85	4 92	23 77
Menominee	1,900 00	27,270 72	1,997 50	31,168 22	27 47	7 91	35 38	10 58	7 91	18 49	11 01	7 91	18 92	13 81	7 91	21 72
Midland	1,100 00	6,125 00	1,200 00	8,425 00	27 71	6 38	34 09	11 98	6 38	18 36	11 04	6 38	17 42	15 84	6 38	22 22
Monroe	1,200 00	8,665 37	900 00	10,765 37	45 43	8 63	54 06	12 85	8 63	21 48	10 97	8 63	19 60	16 43	8 63	25 06
Mt. Cemens	1,500 00	15,750 50	600 00	17,800 50										15 39	5 96	21 35
Mt. Pleasant	1,300 00	6,925 00	437 50	8,662 50	24 26	14 75	39 01	17 15	14 75	31 90	15 98	14 75	30 73	19 23	14 75	33 98
Muskegon	2,500 00	53,068 06	2,700 00	58,268 06	30 74	8 82	39 56	14 86	8 82	23 68	13 28	8 82	22 10	17 06	8 82	25 88
Muskegon Heights	850 00	2,200 00		3,050 00										15 41	14 01	29 42
Negaunee	1,700 00	18,672 00	900 00	21,272 00	42 45	5 99	48 44	15 46	5 99	21 45	16 25	5 99	22 24	17 64	5 99	23 63
Niles	1,600 00	10,186 25	450 00	12,236 25										13 70	1 22	14 92

TABLE XIX.—CONTINUED.

Incorporated cities.	Amount paid superintendent.	Amount paid regular teachers.	Amount paid special teachers.	Total amount paid for instruction.	Cost of education per capita in—											
					High school.			Grammar department.			Primary department.			Whole school.		
					Instruction.	Incidentals.	Total.	Instruction.	Incidentals.	Total.	Instruction.	Incidentals.	Total.	Instruction.	Incidentals.	Total.
North Muskegon	$319 00	$262 50	.....	$581 50	$4 93	$2 64	$7 57	.....	.....	.....	.....	.....	.....	$5 19	$2 64	$7 83
Norway	1,500 00	11,585 25	$475 00	13,560 25	49 87	10 22	60 09	$13 90	$10 22	$24 12	$12 76	$10 22	$22 98	16 09	10 22	26 31
Omer	568 00	1,050 00	.....	1,618 00	.....	.....	.....	.....	.....	.....	.....	.....	.....	10 18	2 80	12 98
Onaway	1,000 00	4,118 50	.....	5,118 50	54 12	8 37	62 49	13 80	8 37	22 17	6 27	8 37	14 64	10 60	8 37	18 97
Owosso	1,600 00	24,296 55	860 00	26,756 55	.....	.....	.....	.....	.....	.....	.....	.....	.....	17 42	15 66	33 08
Petoskey	1,600 00	14,269 58	.....	15,869 58	.....	.....	.....	.....	.....	.....	.....	.....	.....	18 11	88	18 99
Pontiac	2,000 00	19,613 50	1,250 00	22,863 50	28 84	12 81	41 65	14 06	12 81	26 87	11 42	12 81	24 23	14 59	12 81	27 40
Port Huron	1,900 00	38,779 81	600 00	41,279 81	25 00	7 98	32 98	12 60	7 98	20 58	10 50	7 98	18 48	14 01	7 98	21 99
Rose City	570 00	1,233 75	.....	1,803 75	.....	.....	.....	.....	.....	.....	.....	.....	.....	8 92	3 61	12 53
Saginaw	2,400 00	75,949 01	2,425 00	80,774 01	31 66	10 42	42 08	16 76	10 42	27 18	10 86	10 42	21 28	19 70	10 42	30 12
Saginaw, W. S	1,750 00	37,558 11	2,950 00	42,258 11	.....	.....	.....	.....	.....	.....	.....	.....	.....	13 63	8 95	22 58
Sandusky	600 00	1,359 00	.....	1,959 00	16 24	8 54	24 78	7 50	8 54	16 04	6 14	8 54	14 68	7 23	8 54	15 77
Sault Ste. Marie	2,300 00	29,276 75	2,600 00	34,176 75	25 80	11 70	37 50	13 21	11 70	24 91	12 40	11 70	24 10	16 27	11 70	27 97
South Haven	1,300 00	9,187 42	475 00	10,962 42	23 23	3 83	27 06	13 38	3 83	17 21	10 75	3 83	14 58	13 83	3 83	17 66
St. Clair	1,200 00	5,250 00	370 00	6,820 00	33 39	8 62	42 01	13 09	8 62	21 71	10 44	8 62	19 06	14 67	8 62	23 29
St. Ignace	900 00	3,825 00	.....	4,725 00	.....	.....	.....	.....	.....	.....	.....	.....	.....	12 37	6 14	18 51
St. Johns	1,300 00	9,418 50	516 70	11,235 20	25 69	8 61	34 30	13 75	8 61	22 36	13 32	8 61	21 93	15 64	8 61	24 25
St. Joseph	1,650 00	13,044 55	925 00	15,619 55	37 81	6 95	44 76	14 68	6 95	21 63	11 12	6 95	18 07	15 90	6 95	22 85
St. Louis	1,150 00	6,172 00	500 00	7,822 00	.....	.....	.....	.....	.....	.....	.....	.....	.....	16 38	8 52	24 90
Standish	800 00	3,441 50	.....	4,241 50	.....	.....	.....	.....	.....	.....	.....	.....	.....	12 44	5 94	18 38
...n	850 00	2,766 00	.....	3,616 00	25 80	4 83	30 63	11 15	4 83	15 98	10 40	4 83	15 23	13 80	4 83	18 63
.....	1,150 00	4,752 50	380 00	6,282 50	25 25	6 20	31 45	13 79	6 20	29 99	12 02	6 20	18 22	14 31	6 20	20 51
...y	775 00	1,988 75	.....	2,763 75	.....	.....	.....	.....	.....	.....	.....	.....	.....	10 35	12 39	22 74
...ers	1,350 00	11,050 50	427 50	12,828 00	21 71	5 67	27 38	*15 52	5 67	21 19	.....	.....	.....	17 51	5 67	23 18
...ity	1,800 00	22,320 00	1,080 00	25,200 00	.....	.....	.....	.....	.....	.....	.....	.....	.....	13 00	8 25	21 25
City	1,700 00	28,834 00	600 00	31,134 00	29 31	12 33	41 64	19 66	12 33	31 99	13 50	12 33	25 83	15 74	12 33	28 07
...nch	750 00	2,280 00	.....	3,030 00	.....	.....	.....	.....	.....	.....	.....	.....	.....	7 25	1 17	8 42
...rte	1,300 00	11,438 75	450 00	13,188 75	.....	.....	.....	.....	.....	.....	.....	.....	.....	13 26	8 44	21 70
.....	900 00	3,000 00	.....	3,900 00	39 75	2 66	42 51	8 74	2 66	11 40	8 42	2 66	11 08	12 34	2 66	15 00
Ypsilanti	1,600 00	14,028 00	1,130 82	16,758 82	27 82	7 49	35 31	14 76	7 49	22 25	14 76	7 49	22 25	16 94	7 49	24 43

* Includes primary department

TABLE XIX.—Continued.

Financial statistics of graded village schools as reported by superintendents for the year 1904-1905.

Incorporated villages.	Amount paid superintendent.	Amount paid regular teachers.	Amount paid special teachers.	Total amount paid for instruction.	Cost of education per capita in—											
					High school.			Grammar department.			Primary department.			Whole school.		
					Instruction.	Incidentals.	Total.	Instruction.	Incidentals.	Total.	Instruction.	Incidentals.	Total.	Instruction.	Incidentals.	Total.
Addison	$800 00	$1,356 25	.....	$2,156 25	$28 50	$7 74	$36 24	$10 00	$7 74	$17 74	$6 28	$7 74	$14 02	$13 14	$7 74	$20 88
Alanson	495 00	1,095 00	.....	1,590 00	35 36	7 95	43 31	7 00	7 95	14 95	4 65	7 95	12 60	12 72	7 95	20 67
Algonac	1,000 00	2,847 50	.....	3,847 50	18 50	7 34	25 84	14 05	7 34	21 39	12 50	7 34	19 84	13 50	7 34	20 84
Allegan	1,400 00	7,299 06	$665 00	9,364 06	24 00	3 17	27 17	8 08	3 17	11 25	11 13	3 17	14 30	15 53	3 17	18 70
Almont	750 00	2,069 59	.....	2,819 50	27 67	3 36	31 03	14 51	3 36	17 87	10 20	3 36	13 56	15 32	3 36	18 68
Applegate	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Armada	750 00	1,542 00	.....	2,292 00	16 95	11 35	28 30	9 66	11 35	21 01	6 85	11 35	18 20	10 50	11 35	21 85
Ashley	450 00	630 00	.....	1,080 00	13 63	1 37	15 00	8 78	1 37	10 15	9 26	1 37	10 63	8 44	1 37	9 81
Athens	600 00	1,225 00	.....	1,825 00	25 77	68	26 45	7 20	68	7 88	11 56	68	12 24	13 13	68	13 81
†Atlanta	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Attica	450 00	250 00	.....	700 00	16 46	1 59	18 05	15 45	1 59	17 04	3 90	1 59	5 49	10 45	1 59	12 04
Augusta	750 00	1,755 00	.....	2,505 00	25 00	19 37	44 37	23 84	19 37	43 21	8 10	19 37	27 47	15 56	19 37	34 93
Baldwin	495 00	540 00	.....	1,035 00	30 94	3 72	34 66	7 80	3 72	11 52	4 82	3 72	8 54	7 34	3 72	11 06
Bancroft	800 00	1,400 00	.....	2,200 00	31 80	2 98	34 78	8 10	2 98	11 08	8 50	2 98	11 48	16 30	2 98	19 28
Bangor	850 00	2,647 00	.....	3,497 00	18 50	9 58	28 08	7 65	9 58	17 23	6 33	9 58	15 91	9 40	9 58	18 98
Baraga	1,200 00	5,370 00	.....	6,570 00	.....	.....	.....	.....	.....	.....	.....	.....	.....	12 98	7 53	20 51
Bear Lake	600 00	697 00	70 00	1,367 00	14 28	3 11	17 39	6 43	3 11	9 54	4 69	3 11	7 80	10 28	3 11	13 39
Bellaire	675 00	2,970 00	.....	3,645 00	20 45	2 34	22 79	8 40	2 34	10 74	6 27	2 34	8 61	10 94	2 34	13 28
Belleville	650 00	800 00	.....	1,450 00	15 85	4 61	20 46	8 69	4 61	13 30	6 45	4 61	11 06	10 66	4 61	15 27
Bellevue	800 00	2,052 00	100 00	2,952 00	24 00	3 03	27 03	12 00	3 03	15 03	13 00	3 03	16 03	14 91	3 03	17 94
Benzonia	700 00	1,372 50	.....	2,072 50	36 80	3 24	40 04	8 47	3 24	12 71	11 52	3 24	14 76	14 39	3 24	17 63
Berrien Springs	800 00	1,620 00	.....	2,420 00	24 61	4 07	28 68	14 60	4 07	18 67	10 00	4 07	14 07	10 12	4 07	14 19
Birmingham	1,000 00	3,267 50	.....	4,267 50	16 66	4 94	21 60	10 98	4 94	15 92	7 61	4 94	12 55	10 75	4 94	15 69
Blissfield, 1 fr	700 00	900 00	.....	1,600 00	21 74	4 43	26 17	8 11	4 43	12 54	5 17	4 43	9 60	11 35	4 43	15 78
Blissfield, 2 fr	750 00	1,450 00	.....	2,200 00	31 94	4 85	36 79	4 00	4 85	8 85	5 88	4 85	10 73	11 96	4 85	16 81

† Not legally graded.

TABLE XIX.—CONTINUED.

Incorporated villages.	Amount paid superintendent.	Amount paid regular teachers.	Amount paid special teachers.	Total amount paid for instruction.	Cost of education per capita in—											
					High school.			Grammar department.			Primary department.			Whole school.		
					Instruction.	Incidentals.	Total.	Instruction.	Incidentals.	Total.	Instruction.	Incidentals.	Total.	Instruction.	Incidentals.	Total.
Bloomingdale	$630 00	$945 00	.....	$1,575 00	$18 80	$4 58	$23 38	$8 90	$4 58	$13 48	$7 92	$4 58	$17 50	$11 58	$4 58	$16 16
Boardman	495 00	863 75	.....	1,358 75	16 50	1 04	17 54	10 30	1 04	11 34	7 75	1 04	8 79	10 45	1 04	11 49
Boyne City	1,000 00	4,544 22	.....	5,544 22	32 38	3 56	35 94	10 48	3 56	14 04	6 66	3 56	10 22	9 86	3 56	13 42
Boyne Falls	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Breedsville	450 00	315 00	.....	765 00	15 00	1 93	16 93	12 00	1 93	13 93	9 00	1 93	10 93	12 34	1 93	14 27
Brighton	850 00	1,590 00	.....	2,440 00	29 76	6 01	35 77	9 50	6 01	15 51	8 75	6 01	14 76	14 58	6 01	20 59
Britton	567 00	630 00	.....	1,197 00	14 92	2 48	17 40	9 13	2 48	11 61	9 13	2 48	11 61	11 18	2 48	13 66
Bronson	712 50	2,522 49	.....	3,234 99	18 09	7 69	25 78	15 55	7 69	23 24	12 22	7 69	19 91	14 70	7 69	22 39
Brooklyn	800 00	1,625 00	.....	2,425 00	30 50	3 35	33 85	12 39	3 35	33 85	10 16	3 35	13 51	16 50	3 35	19 85
Brown City	650 00	1,060 00	.....	1,710 00	20 00	2 63	22 63	6 80	2 63	9 43	6 70	2 63	9 33	8 91	2 63	11 54
Buchanan	975 00	4,654 89	$360 00	5,989 89	36 10	9 35	45 45	17 20	9 35	26 55	14 30	9 35	23 65	21 31	9 35	30 66
Burlington	405 00	500 00	.....	905 00	30 69	1 74	32 43	11 35	1 74	13 09	9 61	1 74	11 35	11 31	1 74	13 05
Burr Oak	585 00	1,792 89	.....	2,377 89	29 31	3 60	32 91	12 82	3 60	16 42	7 13	3 60	10 73	13 43	3 60	17 03
Byron	650 00	975 00	.....	1,625 00	46 43	5 39	51 82	9 39	5 39	14 78	9 69	5 39	15 08	14 00	5 39	19 39
Caledonia	750 00	1,050 00	.....	1,800 00	20 90	4 99	25 89	18 61	4 99	23 60	12 63	4 99	17 62	12 67	4 99	17 66
Camden	500 00	860 00	.....	1,360 00	19 23	7 75	26 98	14 05	7 75	21 80	9 26	7 75	17 01	12 60	7 75	20 35
Capac	600 00	1,350 00	.....	1,950 00	16 29	8 22	24 51	8 76	8 22	16 98	6 46	8 22	14 68	10 10	8 22	18 32
Caro	1,200 00	5,649 50	419 50	7,269 00	19 02	7 05	26 07	15 77	7 05	22 82	13 65	7 05	20 70	15 46	7 05	22 51
Carson City	800 00	2,116 76	.....	2,916 76	21 44	6 36	27 80	11 60	6 36	17 96	9 43	6 36	15 79	12 31	6 36	18 67
Carsonville	600 00	600 00	.....	1,200 00	21 43	7 68	29 11	4 84	7 68	12 52	3 41	7 68	11 09	6 74	7 68	14 42
Caseville	700 00	800 00	.....	1,500 00	17 50	1 74	19 24	8 16	1 74	9 90	4 39	1 74	6 13	11 63	1 74	13 37
Casnovia	585 00	585 00	.....	1,170 00	19 50	1 99	21 49	6 43	1 99	8 42	7 16	1 99	9 15	10 09	1 99	12 08
[illegible]ss City	900 00	3,040 85	200 00	4,140 85	18 30	4 29	22 59	5 00	4 29	9 29	8 00	4 29	12 29	11 69	4 29	15 98
[illegible]opolis	1,000 00	2,945 00	.....	3,945 00	32 00	3 60	35 60	9 00	3 60	12 60	6 00	3 60	9 60	13 56	3 60	17 16
[illegible]r Springs	631 85	2,373 75	.....	3,005 60	30 19	6 70	36 89	9 80	6 70	16 50	9 16	6 70	15 86	13 42	6 70	20 12
[illegible]tral Lake	900 00	2,137 50	337 50	3,375 00	25 00	10 66	35 66	7 00	10 66	17 66	5 50	10 66	16 16	13 18	10 66	23 84
[illegible]treville	800 00	1,755 00	.....	2,555 00	25 78	4 73	30 51	20 43	4 73	25 16	18 60	4 73	23 33	20 94	4 73	25 67
[illegible]lea	1,000 00	4,640 00	350 00	5,990 00	25 19	5 10	30 29	12 65	5 10	17 75	9 87	5 10	14 97	14 90	5 10	20 00
[illegible]eaning	1,200 00	2,925 00	.....	4,125 00	33 72	4 74	38 46	11 40	4 74	16 14	12 62	4 74	17 36	16 70	4 74	21 44
Clarkston	850 00	1,600 00	.....	2,450 00	37 88	6 88	44 76	11 25	6 88	18 13	6 52	6 88	13 40	20 59	6 88	27 47

Clayton	600 00	495 00	.....	1,095 00	24 00	4 58	28 58	9 31	4 58	13 89	8 04	4 58	12 62	13 36	4 58	17 94
†Clifford	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Climax	450 00	930 00	.....	1,380 00	23 12	4 77	27 89	10 79	4 77	15 56	9 43	4 77	14 20	13 02	4 77	17 79
Clinton	800 00	2,223 00	.....	3,023 00	28 64	3 55	32 19	11 31	3 35	14 86	8 58	3 55	12 13	15 04	3 55	18 59
Clio	700 00	1,940 00	.....	2,640 00	25 71	4 52	30 23	16 07	4 52	20 59	13 41	4 52	17 93	17 72	4 52	22 24
Coloma	630 00	1,548 00	.....	2,178 00	24 00	6 70	30 70	7 73	6 70	14 43	6 15	6 70	12 85	10 28	6 70	16 98
Colon	700 00	2,115 00	.....	2,815 00	26 99	7 54	34 53	12 86	7 54	20 40	12 60	7 54	20 14	17 21	7 54	24 75
Columbiaville	600 00	1,200 00	.....	1,800 00	35 45	9 75	45 20	13 33	9 75	23 08	11 00	9 75	20 75	16 51	9 75	26 26
Concord	725 00	1,407 50	.....	2,132 50	23 13	6 40	29 53	14 08	6 40	20 48	15 11	6 40	21 51	16 66	6 40	23 06
Constantine	1,100 00	2,620 00	.....	3,720 00	26 76	5 30	32 06	14 01	5 30	19 31	8 56	5 31	13 87	15 31	5 30	20 61
Coopersville	600 00	1,330 00	.....	1,930 00	15 54	2 44	17 98	8 75	2 44	11 19	7 92	2 44	10 36	10 60	2 44	13 04
Copemish	550 00	750 00	.....	1,300 00	14 06	86	14 92	12 00	86	12 86	7 00	86	7 86	11 21	86	12 07
†Croton	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Custer	450 00	315 00	.....	855 00	.....	.....	.....	10 60	1 71	12 31	5 16	1 71	6 87	7 63	1 71	9 34
†Daggett	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Dansville	700 00	960 00	.....	1,660 00	21 05	1 07	22 12	16 52	1 07	17 59	12 97	1 07	14 04	16 94	1 07	18 01
Davison	600 00	1,650 00	.....	2,250 00	21 13	7 08	28 21	15 20	7 08	22 28	11 25	7 08	18 33	12 10	7 08	19 18
Dearborn	750 00	1,800 00	100 00	2,650 00	40 00	3 36	43 36	6 30	3 36	9 66	5 96	3 36	9 32	9 38	3 36	12 74
Decatur	1,000 00	2,412 00	.....	3,412 00	14 64	3 60	18 24	8 84	3 60	12 44	7 02	3 60	10 62	11 86	3 60	15 46
Deckerville	540 00	675 00	.....	1,215 00	22 00	4 85	26 85	6 30	4 85	11 15	5 00	4 85	9 85	7 95	4 85	12 80
Deerfield	630 00	1,170 00	.....	1,800 00	31 50	1 16	32 66	9 69	1 16	10 85	6 21	1 16	7 37	10 46	1 16	11 62
Delray	1,650 00	18,787 34	1,810 00	22,247 34	48 20	17 75	65 95	16 50	17 75	34 25	16 50	17 75	24 25	16 82	17 75	34 57
Detour	700 00	2,005 00	.....	2,705 00	35 00	5 30	40 30	.....	.....	.....	.....	.....	.....	13 66	5 30	18 96
Dexter	765 00	2,070 00	135 00	2,970 00	22 69	3 56	26 25	9 26	3 56	12 82	8 74	3 56	12 30	12 53	3 56	16 09
Douglas	540 00	720 00	.....	1,260 00	54 00	4 90	58 90	10 80	4 90	15 70	7 20	4 90	12 10	11 45	4 90	16 35
Dryden	650 00	650 00	.....	1,300 00	26 00	2 76	28 76	10 00	2 76	12 76	5 66	2 76	8 42	11 50	2 76	14 26
Dundee	750 00	3,637 50	36 00	4,423 50	30 00	3 64	33 64	12 00	3 64	15 64	7 00	3 64	10 64	20 11	3 64	23 75
Durand	1,000 00	4,710 00	.....	5,710 00	39 80	12 92	52 72	12 20	12 92	25 12	9 50	12 92	22 42	14 10	12 92	27 02
†Eagle	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
East Grand Rapids	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
East Jordan	1,000 00	2,790 00	.....	3,790 00	16 96	5 71	22 67	13 36	5 71	19 07	9 54	5 71	15 25	12 11	5 71	17 81
Eau Claire	600 00	990 00	.....	1,590 00	21 60	1 44	23 04	10 60	1 44	12 04	12 11	1 44	13 55	14 32	1 44	15 76
Ecorse	675 00	1,600 00	.....	2,275 00	55 55	5 37	60 92	17 97	5 37	23 34	7 50	5 37	12 87	16 25	5 37	21 62
Edmore	600 00	1,330 00	.....	1,930 00	18 75	2 38	21 13	7 96	2 38	10 34	7 73	2 38	10 11	10 78	2 38	13 16
Elk Rapids	1,300 00	5,347 50	.....	6,647 50	24 34	11 64	35 98	12 34	11 64	23 98	13 50	11 64	25 14	14 77	11 64	26 41
Elkton	800 00	1,230 00	.....	2,030 00	25 00	8 11	33 11	9 00	8 11	17 11	8 00	8 11	16 11	8 98	8 11	17 07
Elsie	570 00	1,092 50	.....	1,662 50	17 81	7 52	25 33	8 03	7 52	15 55	8 04	7 52	15 56	9 90	7 52	17 42
†Emmet	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Empire	700 00	945 00	.....	1,645 00	14 00	6 63	20 63	8 00	6 63	14 63	7 00	6 63	13 63	9 67	6 63	16 30
Essexville	700 00	1,200 00	400 00	2,300 00	.....	.....	.....	19 52	12 35	31 87	13 90	12 35	26 25	16 43	12 35	28 78
Evart	1,150 00	4,963 75	.....	6,113 75	34 23	7 50	41 73	16 82	7 50	24 32	15 90	7 50	23 40	20 18	7 50	27 68
†Fairgrove	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
†Fairview	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Farmington	700 00	900 00	92 45	1,692 45	28 00	4 10	32 10	7 76	4 10	11 86	7 03	4 10	11 13	11 51	4 10	15 61
Farwell	585 00	1,179 00	.....	1,764 00	17 73	3 21	20 94	8 74	3 21	11 95	8 10	3 21	11 31	10 08	3 21	13 29

† Not legally graded

TABLE XVIII.—CONTINUED.

Incorporated villages.	Average number pupils to each teacher.				Number of non-resident pupils.				Rate of tuition per year.			Average age of class		
	High school department.	Grammar department.	Primary department.	Whole school.	High school department.	Grammar department.	Primary department.	Whole school.	High school department.	Grammar department.	Primary department.	Graduated.	Promoted to high school.	Promoted to grammar department.
Oakley	.....	27	34	30	....	2	1	3	.....	4 00	4 00	.....	13	.....
Olivet	32	30	34	32	31	6	2	39	12 00	10 00	10 00	17	14	10
Onekama	34	38	48	40	2	....	....	2	7 50	5 00	5 00	17	14	10
Ontonagon	29	41	28	33	13	5	....	18	9 00	4 50	4 50	18	.....	.....
Orion	17	27	34	26	14	4	1	19	10 00	8 00	8 00	18	14	10
Ortonville	35	30	38	34	22	6	1	29	10 00	10 00	7 50	18	16	10
Oscoda	16	40	57	41	....	....	....	....	6 00	6 00	6 00	17	14	10
Otisville	44	40	61	48	23	2	4	29	10 00	8 00	6 00	18	13.2	9.1
Otsego	21	40	32	31	22	1	....	23	13 00	10 50	10 50	18	14	10
Otter Lake	.....	30	30	30	....	12	....	12	.....	6 00	6 00	.....	16	.....
Ovid	28	33	35	32	24	6	....	30	15 00	12 00	10 00	18.5	14.2	10.7
Owendale	.....	.....	63	63	....	....	....	....	.....	.....	.....	.....	15	.....
Oxford	20	20	42	27	22	....	....	22	12 00	....	....	18	....	....
Parma	20	24	59	41	16	1	1	18	12 00	10 50	7 50	16.5	13	8
Paw Paw	29	44	47	39	56	13	3	72	13 00	12 00	10 00	18.7	14	10
†Peck	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Pentwater	16	47	44	37	2	1	4	7	9 00	6 00	3 00	18	12.5	8
†Perrinton	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Perry	13	20	38	24	16	8	3	27	10 00	10 00	7 50	18	14	.....
Petersburg	16	34	42	30	13	2	1	16	13 50	9 00	6 75	16	15	10
Pewamo	36	32	38	35	9	2	1	12	9 00	9 00	9 00	18	13	9
Pierson	7	54	35	47	....	....	....	....	6 00	6 00	6 00	16	.....	.....
Pigeon	34	63	68	55	16	....	....	16	10 00	.....	.....	17	....	....
Pinckney	17	23	52	31	13	....	....	13	15 00	12 50	10 00	17	14	9
Pinconning	.....	.....	.....	.....	....	....	....	....	.....	.....	.....	.....	.....	.....
Plainwell	22	24	46	30	39	4	1	44	15.00	12 00	9 00	18	13	10
Plymouth	22	40	47	36	30	5	....	35	14 00	11 00	8 00	17.7	14.6	11
Port Austin	15	35	67	39	....	4	15	19	.....	5 00	3 50	17	.....	.....
Port Hope	26	26	22	25	4	....	....	4	10 00	5 00	3 50	.....	.....	.....
Portland	18	26	41	30	30	3	7	40	15 20	11 40	11 40	18	14	10
Port Sanilac	34	29	41	34	7	....	....	7	7 20	7 20	7 20	16	.....	.....
Potterville	38	34	37	36	8	2	....	10	3 40	3 40	2 00	15	.....	.....
Quincy	18	57	43	39	31	1	1	33	14 00	10 00	7 50	18	14	9
Reading	26	34	48	40	46	8	1	55	14 25	14 25	11 38	19	14	10
¶Red Jacket	.....	.....	.....	.....	....	....	....	....	.....	.....	.....	.....	.....	.....
Reed City	24	37	41	34	17	8	2	27	15 00	15 00	10 00	17.5	.....	.....
†Reese	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Richland	20	19	28	22	13	....	....	13	14 00	9 00	9 00	....	....	....
Richmond	13	26	31	23	21	5	....	26	13 50	11 25	9 00	17	14	10
River Rouge	11	34	42	29	....	1	....	1	.....	.....	.....	15	13	10
Rochester	21	45	42	37	15	10	2	27	13 00	10 00	8 00	17	13.2	11
Rockford	16	29	32	26	19	15	4	38	14 00	12 00	10 00	17	13	9
Rogers	24	35	38	32	....	....	....	....	.....	.....	.....	14	....	....
Romeo	18	32	37	29	23	4	....	27	16 00	14 00	8 00	18	15.5	10.3
Roscommon	24	30	45	33	3	....	....	3	5 00	5 00	5 00	15	.....	.....
Royal Oak	15	43	43	34	16	5	5	26	12 00	9 00	9 00	19	15	10
St. Charles	19	49	81	49	2	....	....	2	10 00	10 00	10 00	17	.....	.....
†St. Clair Heights	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Saline	15	34	34	28	17	9	1	27	16 00	13 00	10 00	17	13.5	9
Sand Lake	.....	.....	.....	.....	....	....	....	....	.....	.....	.....	.....	.....	.....
Saranac	27	31	38	32	15	17	3	35	13 00	10 00	10 00	18	13.7	9.5
Saugatuck	.....	.....	.....	32	26	....	....	26	12 00	12 00	12 00	.....	.....	.....
Schoolcraft	18	34	41	31	14	8	4	26	18 00	14 40	10 80	18	14	10
Scottville	28	26	26	27	20	....	....	20	11 75	11 75	11 75	18	14	11
Sebewaing	28	43	41	37	5	3	....	8	5 00	5 00	5 00	17	14	11

† Not legally graded.
¶ Report included with Calumet which is not incorporated.

TABLE XVIII.—CONTINUED.

Number of graduates.	Number of U. S. flags.	Has school kindergarten below primary grade?	Portion of time in first primary devoted to kindergarten work.	Number of grades in the school.	Number of pupils studying—				Does school give special instruction in—					Has school a commercial course?	Is the compulsory attendance law enforced?	Has school an ungraded department?	Has school a day school for the deaf?
					Latin.	Greek.	French.	German.	Vocal music?	Drawing?	Penmanship?	Manual training?	Domestic science?				
3	1	No	.....	9	.....	....	....	.....	No	No	No	No	No	No	Yes	No	No
13	....	No	1-10	12	19	....	....	17	Yes	No	No	No	No	No	Yes	No	No
4	1	No	.....	12	.....	....	....	6	No	No	Yes	No	No	No	No	No	No
17	1	No	.....	12	.....	....	....	17	Yes	Yes	Yes	No	No	No	Yes	No	No
7	1	No	1-3	12	.....	....	....	10	No	No	No	No	No	No	No	No	No
3	1	No	.....	12	.....	....	....	.....	No	No	No	No	No	No	No	No	No
5	2	Yes	1-2	11	.....	....	....	.....	No	No	No	No	No	No	No	No	No
6	1	No	.....	10	.....	....	....	.....	No	No	No	No	No	No	No	No	No
10	1	No	1-3	12	22	....	....	21	Yes	Yes	No	No	No	Yes	Yes	No	No
6	1	No	.....	10	.....	....	....	.....	No	No	No	No	No	No	No	No	No
14	1	No	1-2	12	40	....	....	25	Yes	No	No	No	No	No	Yes	No	No
1	1	No	.....	8	.....	....	....	.....	No	No	Yes	No	No	No	No	No	No
11	....	No	.....	12	58	....	....	24	Yes	Yes	Yes	No	No	No	No	No	No
10	1	No	.....	12	.....	....	....	.....	Yes	No	Yes	No	No	No	No	No	No
14	1	No	1-3	12	40	....	....	25	No	No	No	No	No	Yes	No	No	No
6	1	Yes	.....	12	.....	....	....	.....	No	Yes	No	No	No	No	Yes	No	No
5	1	Yes	1-8	12	6	....	....	.....	No	No	No	No	No	No	Yes	No	No
3	1	Yes	.....	12	16	....	....	13	No	No	No	No	No	No	No	No	No
7	1	No	1-4	11	.....	....	....	.....	No	No	No	No	No	No	No	No	No
4	1	No	.....	10	.....	....	....	.....	No	No	Yes	No	No	No	Yes	No	No
2	1	No	.....	....	.....	....	....	.....	No	No	No	No	No	No	No	No	No
5	1	No	1-2	12	.....	....	....	.....	No	No	Yes	No	No	Yes	Yes	No	No
13	3	Yes	1-3	12	30	....	....	15	Yes	No	Yes	No	No	Yes	Yes	No	No
15	1	Yes	.....	12	33	....	....	21	No	No	No	No	No	No	No	No	No
2	1	No	.....	12	.....	....	....	.....	No	No	No	No	No	No	No	No	No
6	1	No	1-5	10	.....	....	....	.....	No	No	No	No	No	No	Yes	No	No
9	2	No	1-3	12	32	....	....	20	Yes	Yes	No	No	No	Yes	Yes	No	No
6	1	No	.....	11	.....	....	....	.....	No	No	No	No	No	No	Yes	No	No
....	....	No	1-6	10	8	....	....	.....	No	No	No	No	No	No	No	No	No
13	1	No	1-4	12	22	....	....	18	No	No	Yes	No	No	No	No	No	No
11	1	No	1-25	12	25	....	....	15	No	No	No	No	No	No	Yes	No	No
12	3	Yes	.....	12	69	....	....	17	No	No	Yes	No	No	No	Yes	No	No
10	1	No	.....	12	7	....	....	5	No	Yes	Yes	No	No	No	Yes	No	No
4	2	No	1-10	12	14	....	....	.....	No	No	No	No	No	No	Yes	No	No
....	2	Yes	1-2	10	.....	....	....	.....	No	Yes	Yes	No	No	No	Yes	No	No
9	1	Yes	1-2	12	9	....	....	3	No	No	No	No	No	No	Yes	No	No
7	1	No	1-5	12	28	....	....	.....	No	No	No	No	No	Yes	Yes	No	No
4	2	No	1-5	10	.....	....	....	.....	No	No	No	No	No	No	Yes	No	No
12	3	No	1-3	12	12	4	....	28	No	Yes	No	No	No	Yes	No	No	No
....	1	No	1-2	10	.....	....	....	.....	No	No	Yes	No	No	No	No	No	No
3	1	No	.....	12	17	....	....	.....	No	No	Yes	No	No	No	No	No	No
3	1	Yes	.....	12	6	....	....	.....	No	No	No	No	No	No	No	No	No
8	1	Yes	1-3	12	30	....	....	15	No	No	No	No	No	No	Yes	No	No
4	....	No	1-4	12	11	....	....	.....	No	No	No	No	No	No	No	No	No
23	....	No	.....	11	36	....	....	25	No	No	No	No	No	Yes	Yes	Yes	No
3	1	Yes	1-3	12	15	....	....	8	No	No	Yes	No	No	No	Yes	No	No
2	1	Yes	.....	12	24	....	....	10	Yes	Yes	Yes	No	No	Yes	Yes	No	No
3	2	No	1-3	11	.....	....	....	.....	No	No	No	No	No	No	No	No	No

TABLE XVIII.—CONCLUDED.

Incorporated villages.	Average number pupils to each teacher.				Number of non-resident pupils.				Rate of tuition per year.			Average age of class		
	High school department.	Grammar department.	Primary department.	Whole school.	High school department.	Grammar department.	Primary department.	Whole school.	High school department.	Grammar department.	Primary department.	Graduated.	Promoted to high school.	Promoted to grammar department.
Shelby	21	36	36	31	13	1	1	15	12 00	12 00	12 00	17.7	13.2	10.6
Shepherd	30	46	46	41	17	....	....	17	12 50	.....	.....	.....	.....	.....
Sheridan	30	35	50	38	18	3	2	23	10 00	7 50	5 00	.....	.....	.....
Sherman	32	44	79	52	12	....	....	12	9 00	9 00	9 00	16	.....	.....
Sherwood	14	25	30	23	10	9	2	21	9 00	9 00	9 00	18	14	8
†Sibley	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
†South Frankfort	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
South Lyon	22	46	21	29	27	4	....	31	12 00	10 50	10 50	18	15	8
Sparta	28	46	37	37	9	....	1	10	20 00	15 00	15 00	18	.....	.....
Spring Lake	18	27	45	30	....	....	2	2	9 00	6 75	4 50	16	.....	.....
Springport	12	25	30	22	17	....	....	17	10 00	.....	.....	17	.....	.....
Stambaugh	9	21	29	20	....	2	5	7	.....	.....	.....	16	.....	.....
†Stephenson	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Stevensville	19	46	36	34	12	....	....	12	12 50	7 50	7 50	19	13	9
Stockbridge	24	40	40	35	20	4	4	28	12 50	10 00	7 50	18.3	.....	.....
Sunfield	18	28	32	26	11	....	....	11	9 50	9 50	9 50	.....	.....	.....
Sutton's Bay	20	23	20	21	1	3	....	4	10 00	7 50	7 50	.....	.....	.....
Tecumseh	24	41	35	33	51	11	....	62	16 67	13 33	11 67	18	13	8
Tekonsha	16	26	52	31	20	....	....	20	4 00	3 50	3 00	16	14	9
Thompsonville	14	40	36	30	....	....	....	....	.....	.....	.....	17	14	11
Three Oaks	33	37	37	36	17	2	1	20	15 00	12 50	10 00	17	13	9
Trenton	4	36	45	38	1	3	....	4	10 00	8 00	6 00	15	13	8
Tustin	14	32	42	29	4	....	....	4	9 00	9 00	9 00	16	.....	.....
Twining	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
†Ubly	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Union City	24	26	25	25	28	14	7	49	15 00	4 00	3 00	18	.....	.....
Unionville	33	45	75	52	11	....	....	11	10 00	.....	.....	17.7	.....	.....
Utica	18	34	38	30	14	....	....	14	13 00	.....	.....	18	13	9
Vandalia	21	30	31	27	12	....	....	12	9 00	.....	.....	18	.....	.....
†Vanderbilt	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Vassar	21	30	32	28	40	....	1	41	12 00	10 00	8 00	17.5	.....	.....
Vermontville	21	31	30	26	33	....	....	33	13 30	9 50	9 50	19	14	.....
Vernon	24	31	31	28	....	....	....	....	10 00	10 00	7 50	17	.....	.....
Vicksburg	26	33	30	30	38	4	1	43	15 00	14 20	10 00	18	14	9.7
Wakefield	15	25	39	37	....	....	....	....	.....	.....	.....	.....	.....	.....
Waldron	20	33	40	31	3	3	....	6	11 25	11 25	11 25	16	.....	.....
Warren	.....	52	52	52	....	3	....	3	.....	.....	.....	.....	.....	.....
Watervliet	22	38	42	34	15	6	3	24	11 25	9 00	6 75	17	.....	.....
Wayland	45	39	61	45	42	1	....	43	11 00	9 00	7 00	18	12	8
Wayne	34	36	45	39	32	19	4	55	14 00	10 00	8 00	18.2	14.1	10
Webberville	27	31	48	35	5	....	1	6	9 00	9 00	9 00	16	14.7	9
†Westphalia	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
White Cloud	20	52	55	42	5	2	....	7	9 00	9 00	6 75	.....	.....	.....
Whitehall	32	35	37	34	12	1	....	13	9 50	9 50	9 50	17	14	11
White Pigeon	21	18	29	23	16	1	5	22	15 00	12 00	9 00	18	14	10
Williamston	20	43	40	34	40	9	4	53	14 00	10 00	8 00	19	13.5	11
Wolverine	31	34	46	37	6	4	1	11	18 00	11 25	11 25	.....	.....	.....
Woodland	26	22	35	28	17	5	2	24	10 80	10 80	7 20	16	12	9
†Woodmere	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Zeeland	20	45	49	41	....	....	....	....	10 00	6 00	6 00	16	.....	.....

† Not legally graded.

TABLE XVIII.—CONCLUDED.

Number of graduates.	Number of U. S. flags.	Has school kindergarten below primary grade?	Portion of time in first primary devoted to kindergarten work.	Number of grades in the school.	Number of pupils studying—				Does school give special instruction in—					Has school a commercial course?	Is the compulsory attendance law enforced?	Has school an ungraded department?	Has school a day school for the deaf?
					Latin.	Greek.	French.	German.	Vocal music?	Drawing?	Penmanship?	Manual training?	Domestic science?				
3	1	Yes	.....	12	15	....	....	.....	No	No	No	No	No	No	Yes	No	No
....	1	No	1–5	11	.....	....	....	.....	No	No	Yes	No	No	No	Yes	No	No
....	1	No	.....	11	.....	....	....	.....	No	No	Yes	No	No	No	No	No	No
4	1	No	1–2	11	.....	....	....	.....	No	Yes	Yes	No	No	Yes	Yes	No	No
4	1	No	1–5	12	10	....	....	.....	No	No	Yes	No	No	No	No	No	No
....	....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
4	1	No	2–5	12	30	....	....	.....	Yes	No	No	No	No	No	No	No	No
13	1	Yes	1–2	13	4	....	....	17	No	Yes	Yes	No	No	No	Yes	No	No
6	1	No	1–3	10	.....	....	....	.....	No	No	Yes	No	No	No	Yes	No	No
10	1	Yes	.....	12	18	....	....	.....	Yes	No	No	No	No	No	Yes	No	No
3	2	Yes	1–2	11	.....	....	....	.....	No	Yes	Yes	No	No	Yes	Yes	No	No
....	....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
3	1	Yes	.....	12	10	....	....	.....	Yes	No	No	No	No	No	Yes	No	No
3	1	Yes	.....	12	.....	....	....	.....	No	No	No	No	No	Yes	Yes	No	No
....	1	No	1–3	12	3	....	....	.....	No	No	Yes	No	No	No	Yes	No	No
2	1	No	1–2	12	.....	....	....	.....	No	Yes	Yes	No	No	No	No	No	No
13	2	No	1–4	12	61	....	....	30	Yes	Yes	Yes	No	No	No	Yes	No	No
....	1	No	.....	12	15	....	....	.....	No	No	Yes	No	No	No	No	No	No
....	1	No	1–5	12	3	....	....	.....	No	No	No	No	No	No	Yes	No	No
12	2	No	1–4	12	31	....	....	21	Yes	No	No	No	No	No	Yes	No	No
....	1	Yes	1–2	10	.....	....	....	.....	No	No	No	No	No	No	Yes	No	No
4	1	No	2–5	12	.....	....	....	.....	No	Yes	Yes	No	No	No	No	No	No
....	....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
14	1	Yes	.....	12	25	....	3	20	Yes	No	No	No	No	No	Yes	No	No
4	1	No	1–10	12	.....	....	....	.....	No	Yes	Yes	No	No	Yes	Yes	No	No
5	1	No	.....	12	30	....	....	.....	No	No	No	No	No	No	No	No	No
6	1	No	.....	12	6	....	....	.....	No	No	Yes	No	No	No	No	No	No
....	....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
14	3	No	1–4	12	38	....	....	14	Yes	No	No	No	No	Yes	No	No	No
9	1	Yes	1–4	12	33	....	....	15	No	No	No	No	No	No	Yes	No	No
5	1	No	.....	12	10	....	....	.....	No	No	No	No	No	No	Yes	No	No
9	....	Yes	3–10	12	40	....	....	24	Yes	No	No	No	No	No	Yes	No	No
5	6	Yes	.....	10	.....	....	....	.....	Yes	No	Yes	No	No	Yes	Yes	No	No
7	2	No	.....	10	.....	....	....	.....	No	No	Yes	No	No	No	Yes	No	No
....	1	No	.....	9	.....	....	....	.....	No	No	No	No	No	No	Yes	No	No
6	1	No	1–10	12	12	....	....	.....	No	No	No	No	No	No	No	No	No
6	1	No	1–5	11	.....	....	....	.....	No	No	No	No	No	No	Yes	No	No
12	1	No	1–8	12	34	....	....	15	No	Yes	Yes	No	No	No	No	No	No
6	1	No	1–2	10	.....	....	....	.....	No	No	No	No	No	Yes	Yes	No	No
....	1	No	1–5	10	.....	....	....	.....	No	No	No	No	No	Yes	No	No	No
4	1	No	1–4	12	.....	....	....	.....	Yes	No	No	No	No	Yes	Yes	No	No
7	1	No	.....	12	18	....	....	12	No	No	No	No	No	Yes	Yes	No	No
14	....	No	1–10	12	14	....	....	12	Yes	No	Yes	No	No	No	No	No	No
....	1	No	1–5	11	8	....	....	.....	No	No	No	No	No	No	No	No	No
16	1	No	1–10	10	.....	....	....	.....	No	No	No	No	No	No	Yes	No	No
8	1	Yes	1–2	11	.....	....	....	.....	Yes	Yes	No	No	No	Yes	Yes	No	No

TABLE XIX.

Financial statistics of city schools as reported by superintendents for the year 1904-1905.

Incorporated cities.	Amount paid superintendent.	Amount paid regular teachers.	Amount paid special teachers.	Total amount paid for instruction.	Cost of education per capita in—											
					High school.			Grammar department.			Primary department.			Whole school.		
					Instruction.	Incidentals.	Total.	Instruction.	Incidentals.	Total.	Instruction.	Incidentals.	Total.	Instruction.	Incidentals.	Total.
Adrian	$1,600 00	$20,780 50	$1,350 00	$23,730 50	$33 46	$14 75	$48 21	$15 77	$14 75	$30 52	$12 22	$14 75	$26 97	$16 59	$14 75	$31 34
Albion	1,600 00	11,249 85	1,035 50	13,885 35	.....	.....	.....	.....	.....	.....	.....	.....	.....	15 79	7 47	23 26
Alma	1,200 00	5,289 47	425 00	6,914 47	31 25	19 79	51 04	10 87	19 79	30 66	11 45	19 79	31 24	15 36	19 79	35 15
Alpena	1,500 00	21,423 00	.....	22,923 00	.....	.....	.....	.....	.....	.....	.....	.....	.....	12 85	4 18	17 03
Ann Arbor	2,400 00	42,315 40	3,150 00	47,865 40	41 43	10 57	52 00	16 07	10 57	26 64	16 07	10 57	26 64	21 90	10 57	32 47
Au Gres	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Au Sable	700 00	2,686 10	.....	3,386 10	.....	.....	.....	.....	.....	.....	.....	.....	.....	10 48	4 80	15 28
re	800 00	3,850 00	.....	4,650 00	22 73	6 84	29 57	11 02	6 84	17 86	12 15	6 84	18 99	13 80	6 84	20 64
ek	2,200 00	48,050 00	3,650 00	53,900 00	31 19	10 69	41 88	13 68	10 69	24 37	10 90	10 69	21 59	17 18	10 69	27 87
.....	2,400 00	59,515 04	3,525 00	65,440 04	37 50	6 93	44 43	16 69	6 93	23 62	13 40	6 93	20 33	17 20	6 93	24 13
.....	650 00	2,320 00	.....	2,970 00	23 50	2 21	25 71	17 30	2 21	19 51	6 77	2 21	8 98	11 39	2 21	13 60
.....	1,200 00	6,012 50	495 00	7,707 50	22 76	7 24	30 00	14 26	7 24	21 50	10 24	7 24	17 48	13 40	7 24	20 64
bor	1,600 00	14,217 50	450 00	16,267 50	25 95	6 30	32 25	12 79	6 30	19 09	11 70	6 30	18 00	11 22	6 30	17 52
.....	1,500 00	14,770 00	.....	16,270 00	37 81	11 55	49 36	20 21	11 55	31 76	13 24	11 55	24 79	18 53	11 55	30 08
.....	1,500 00	9,934 77	500 00	11,934 77	20 15	5 03	25 18	14 74	5 03	19 77	15 00	5 03	20 03	15 81	5 03	20 84
R	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
adillac	1,250 00	15,639 82	350 00	17,239 82	.....	.....	.....	.....	.....	.....	.....	.....	.....	12 27	4 44	16 71
Charlevoix	1,000 00	6,707 87	877 30	8,585 17	24 40	66	25 06	16 11	66	16 77	13 86	66	14 52	16 32	66	16 98
Charlotte	1,500 00	10,696 50	635 00	12,831 50	20 67	6 05	26 72	15 26	6 05	21 31	14 27	6 05	20 32	14 18	6 05	20 23
Cheboygan	1,200 00	10,839 50	600 00	12,639 50	24 45	7 34	31 79	12 91	7 34	20 25	9 37	7 34	16 71	11 93	7 34	19 27
Clare	800 00	3,531 25	.....	4,331 25	.....	.....	.....	.....	.....	.....	.....	.....	.....	12 17	2 90	15 07
Coldwater	1,400 00	13,025 70	.....	14,425 70	.....	.....	.....	.....	.....	.....	.....	.....	.....	14 76	6 03	20 79
Coleman	750 00	2,700 00	.....	3,450 00	34 00	7 19	41 19	8 35	7 19	15 54	5 86	7 19	13 05	10 18	7 19	17 37
Corunna	1,200 00	4,000 00	280 00	5,480 00	21 44	6 49	27 93	22 53	6 49	29 02	12 60	6 49	19 09	16 82	6 49	23 31
Croswell	800 00	2,333 40	.....	3,133 40	20 65	3 97	24 62	7 85	3 97	11 82	6 90	3 97	10 87	11 56	3 97	15 53
Crystal Falls	1,550 00	11,529 25	600 00	13,679 25	.....	.....	.....	.....	.....	.....	.....	.....	.....	16 84	16 01	32 85
Detroit	4,000 00	790,184 58	9,000 00	803,184 58	50 96	7 25	58 26	24 68	7 25	31 93	16 62	7 25	23 87	22 48	7 25	29 73
Dowagiac	1,500 00	10,221 25	450 00	12,171 25	23 36	6 36	29 72	14 24	6 36	20 60	11 67	6 36	18 03	13 95	6 36	20 31
East Tawas	850 05	3,245 00	.....	4,095 05	.....	.....	.....	.....	.....	.....	.....	.....	.....	8 94	8 83	17 77
Eaton Rapids	900 00	4,987 40	400 00	6,287 40	.....	.....	.....	.....	.....	.....	.....	.....	.....	16 50	3 63	20 13
Escanaba	2,000 00	23,898 13	1,653 15	27,551 28	32 82	2 65	35 47	13 18	2 65	15 83	12 45	2 65	15 10	14 65	2 65	17 30

Flint	1,600 00	33,271 87	1,550 00	36,421 87										16 16	9 94	26 10
Gladstone	1,100 00	9,000 00		10,100 00	27 00	5 75	32 75	11 70	5 75	17 45	11 45	5 75	17 20	14 13	5 75	19 88
Gladwin	650 00	1,400 00		2,050 00										16 92	18 64	35 56
Grand Haven	1,450 00	11,565 50	225 00	13,240 50										13 29	8 17	21 46
Grand Ledge, 9 fr	850 00	3,331 00	150 00	4,331 00	34 32	6 76	41 08	11 00	6 76	17 76	10 31	6 76	17 07	16 79	6 76	23 55
Grand Ledge, 11 fr	650 00	1,475 00		2,125 00				18 92	4 99	23 91	6 36	4 99	11 35	11 30	4 99	16 29
Grand Rapids	3,500 00	276,913 50	5,000 00	285,413 50	36 39	10 12	46 51	24 44	10 12	34 56	20 06	10 12	30 18	22 12	10 12	32 24
Greenville	1,200 00	9,100 00	950 00	11,250 00	26 49	3 96	30 45	10 47	3 96	14 43	12 17	3 96	16 13	15 50	3 96	19 46
Hancock	1,750 00	12,950 00		14,700 00	39 71	8 69	48 40	12 47	8 69	21 16	9 78	8 69	18 47	15 61	8 69	24 30
Harrison	550 00	990 00		1,540 00	28 14	4 62	32 76	10 75	4 62	15 37	21 07	4 62	25 69	11 84	4 62	16 46
Harrisville	540 00	1,080 00		1,620 00	19 00	2 83	21 83	12 00	2 83	14 83	9 00	2 83	11 83	11 25	2 83	14 08
Hastings	1,100 00	9,805 15	850 00	11,755 15	32 89	18 02	50 91	17 47	18 02	35 49	15 25	18 02	33 27	19 82	18 02	37 84
Hillsdale	1,350 00	8,897 70	1,135 00	11,382 70	19 08	9 53	28 61	11 33	9 53	20 86	10 77	9 53	20 30	14 50	9 53	24 03
Holland	1,540 00	15,690 38	900 00	18,130 38										12 07	7 26	19 33
Hudson	1,150 00	5,410 00		6,560 00										15 69	7 08	22 77
Ionia	1,440 00	13,588 51	915 40	15,943 91	34 59	6 13	40 72	21 03	6 13	27 16	15 96	6 13	22 09	21 63	6 13	27 76
Iron Mountain	2,500 00	34,642 45	716 00	37,858 45	38 28	5 46	43 74	18 40	5 46	23 86	13 55	5 46	19 01	16 26	5 46	21 72
Ironwood	2,500 00	30,214 39	1,500 00	34,214 39										15 25	7 69	22 94
Ishpeming	3,000 00	40,215 63	4,150 00	47,365 63										16 85	6 22	23 07
Jackson	2,500 00	54,018 76	1,650 00	58,168 76	34 17	8 43	42 60	19 57	8 43	28 00	15 89	8 43	24 32	18 13	8 43	26 56
Kalamazoo	2,300 00	54,990 10	12,805 09	70,095 19	35 15	8 57	43 72	15 38	8 57	23 95	9 87	8 57	18 44	16 33	8 57	24 90
Lansing	1,900 00	44,258 00	1,200 00	47,358 00	24 17	6 67	30 84	14 22	6 67	20 89	14 23	6 67	20 90	17 38	6 67	24 05
Lapeer	1,150 00	7,400 00	600 00	9,150 00	26 09	7 56	33 65	12 11	7 56	19 67	13 74	7 56	21 30	15 83	7 56	23 39
Ludington	1,500 00	19,810 00	1,370 00	22,680 00										15 32	5 51	20 83
Mackinac Island	900 00	1,575 00		2,475 00										17 70	12 42	30 12
Manistee	1,900 00	32,980 42	1,250 00	36,130 42	34 59	7 44	43 03	15 71	7 44	23 15	14 81	7 44	22 25	17 49	7 44	24 93
Manistique	1,500 00	13,001 00	1,100 00	15,601 00										18 38	17 15	35 53
Marine City	1,100 00	6,019 20	400 00	7,519 20										11 84	10 21	22 05
Marquette	1,600 00	24,241 25	5,245 00	31,086 25										20 26	10 51	30 77
Marshall	1,500 00	9,979 50	800 00	12,279 50										18 22	6 44	24 66
Mason	1,150 00	5,405 00		6,655 00	28 04	4 92	32 96	15 25	4 92	20 17	9 03	4 92	13 95	18 85	4 92	23 77
Menominee	1,900 00	27,270 72	1,997 50	31,168 22	27 47	7 91	35 38	10 58	7 91	18 49	11 01	7 91	18 92	13 81	7 91	21 72
Midland	1,100 00	6,125 00	1,200 00	8,425 00	27 71	6 38	34 09	11 98	6 38	18 36	11 04	6 38	17 42	15 84	6 38	22 22
Monroe	1,200 00	8,665 37	900 00	10,765 37	45 43	8 63	54 06	12 85	8 63	21 48	10 97	8 63	19 60	16 43	8 63	25 06
Mt. Cemens	1,500 00	15,750 50	600 00	17,800 50										15 39	5 96	21 35
Mt. Pleasant	1,300 00	6,925 00	437 50	8,662 50	24 26	14 75	39 01	17 15	14 75	31 90	15 98	14 75	30 73	19 23	14 75	33 98
Muskegon	2,500 00	53,068 06	2,700 00	58,268 06	30 74	8 82	39 56	14 86	8 82	23 68	13 28	8 82	22 10	17 06	8 82	25 88
Muskegon Heights	850 00	2,200 00		3,050 00										15 41	14 01	29 42
Negaunee	1,700 00	18,672 00	900 00	21,272 00	42 45	5 99	48 44	15 46	5 99	21 45	16 25	5 99	22 24	17 64	5 99	23 63
Niles	1,600 00	10,186 25	450 00	12,236 25										13 70	1 22	14 92

TABLE XIX.—CONTINUED.

Incorporated cities.	Amount paid superintendent.	Amount paid regular teachers.	Amount paid special teachers.	Total amount paid for instruction.	Cost of education per capita in—											
					High school.			Grammar department.			Primary department.			Whole school.		
					Instruction.	Incidentals.	Total.	Instruction.	Incidentals.	Total.	Instruction.	Incidentals.	Total.	Instruction.	Incidentals.	Total.
North Muskegon	$319 00	$262 50	.....	$581 50	$4 93	$2 64	$7 57	.....	.....	.....	.....	.....	.....	$5 19	$2 64	$7 83
Norway	1,500 00	11,585 25	$475 00	13,560 25	49 87	10 22	60 09	$13 90	$10 22	$24 12	$12 76	$10 22	$22 98	16 09	10 22	26 31
Omer	568 00	1,050 00	.....	1,618 00	.....	.....	.....	.....	.....	.....	.....	.....	.....	10 18	2 80	12 98
Onaway	1,000 00	4,118 50	.....	5,118 50	54 12	8 37	62 49	13 80	8 37	22 17	6 27	8 37	14 64	10 60	8 37	18 97
Owosso	1,600 00	24,296 55	860 00	26,756 55	.....	.....	.....	.....	.....	.....	.....	.....	.....	17 42	15 66	33 08
Petoskey	1,600 00	14,269 58	.....	15,869 58	.....	.....	.....	.....	.....	.....	.....	.....	.....	18 11	88	18 99
Pontiac	2,000 00	19,613 50	1,250 00	22,863 50	28 84	12 81	41 65	14 06	12 81	26 87	11 42	12 81	24 23	14 59	12 81	27 40
Port Huron	1,900 00	38,779 81	600 00	41,279 81	25 00	7 98	32 98	12 60	7 98	20 58	10 50	7 98	18 48	14 01	7 98	21 99
Rose City	570 00	1,233 75	.....	1,803 75	.....	.....	.....	.....	.....	.....	.....	.....	.....	8 92	3 61	12 53
Saginaw	2,400 00	75,949 01	2,425 00	80,774 01	31 66	10 42	42 08	16 76	10 42	27 18	10 86	10 42	21 28	19 70	10 42	30 12
Saginaw, W. S	1,750 00	37,558 11	2,950 00	42,258 11	.....	.....	.....	.....	.....	.....	.....	.....	.....	13 63	8 95	22 58
Sandusky	600 00	1,359 00	.....	1,959 00	16 24	8 54	24 78	7 50	8 54	16 04	6 14	8 54	14 68	7 23	8 54	15 77
Sault Ste. Marie	2,300 00	29,276 75	2,600 00	34,176 75	25 80	11 70	37 50	13 21	11 70	24 91	12 40	11 70	24 10	16 27	11 70	27 97
South Haven	1,300 00	9,187 42	475 00	10,962 42	23 23	3 83	27 06	13 38	3 83	17 21	10 75	3 83	14 58	13 83	3 83	17 66
St. Clair	1,200 00	5,250 00	370 00	6,820 00	33 39	8 62	42 01	13 09	8 62	21 71	10 44	8 62	19 06	14 67	8 62	23 29
St. Ignace	900 00	3,825 00	.....	4,725 00	.....	.....	.....	.....	.....	.....	.....	.....	.....	12 37	6 14	18 51
St. Johns	1,300 00	9,418 50	516 70	11,235 20	25 69	8 61	34 30	13 75	8 61	22 36	13 32	8 61	21 93	15 64	8 61	24 25
St. Joseph	1,650 00	13,044 55	925 00	15,619 55	37 81	6 95	44 76	14 68	6 95	21 63	11 12	6 95	18 07	15 90	6 95	22 85
St. Louis	1,150 00	6,172 00	500 00	7,822 00	.....	.....	.....	.....	.....	.....	.....	.....	.....	16 38	8 52	24 90
Standish	800 00	3,441 50	.....	4,241 50	.....	.....	.....	.....	.....	.....	.....	.....	.....	12 44	5 94	18 38
Stanton	850 00	2,766 00	.....	3,616 00	25 80	4 83	30 63	11 15	4 83	15 98	10 40	4 83	15 23	13 80	4 83	18 63
[illegible]	1,150 00	4,752 50	380 00	6,282 50	25 25	6 20	31 45	13 79	6 20	29 99	12 02	6 20	18 22	14 31	6 20	20 51
[illegible]ty	775 00	1,988 75	.....	2,763 75	.....	.....	.....	.....	.....	.....	.....	.....	.....	10 35	12 39	22 74
[illegible]ers	1,350 00	11,050 50	427 50	12,828 00	21 71	5 67	27 38	*15 52	5 67	21 19	.....	.....	.....	17 51	5 67	23 18
[illegible]ity	1,800 00	22,320 00	1,080 00	25,200 00	.....	.....	.....	.....	.....	.....	.....	.....	.....	13 00	8 25	21 25
[illegible] City	1,700 00	28,834 00	600 00	31,134 00	29 31	12 33	41 64	19 66	12 33	31 99	13 50	12 33	25 83	15 74	12 33	28 07
[illegible]ich	750 00	2,280 00	.....	3,030 00	.....	.....	.....	.....	.....	.....	.....	.....	.....	7 25	1 17	8 42
[illegible]otte	1,300 00	11,438 75	450 00	13,188 75	.....	.....	.....	.....	.....	.....	.....	.....	.....	13 26	8 44	21 70
[illegible]	900 00	3,000 00	.....	3,900 00	39 75	2 66	42 51	8 74	2 66	11 40	8 42	2 66	11 08	12 34	2 66	15 00
Ypsilanti	1,600 00	14,028 00	1,130 82	16,758 82	27 82	7 49	35 31	14 76	7 49	22 25	14 76	7 49	22 25	16 94	7 49	24 43

*Includes primary department

TABLE XIX.—Continued.

Financial statistics of graded village schools as reported by superintendents for the year 1904-1905.

Incorporated villages.	Amount paid superintendent.	Amount paid regular teachers.	Amount paid special teachers.	Total amount paid for instruction.	Cost of education per capita in—											
					High school.			Grammar department.			Primary department.			Whole school.		
					Instruction.	Incidentals.	Total.	Instruction.	Incidentals.	Total.	Instruction.	Incidentals.	Total.	Instruction.	Incidentals.	Total.
Addison	$800 00	$1,356 25	.....	$2,156 25	$28 50	$7 74	$36 24	$10 00	$7 74	$17 74	$6 28	$7 74	$14 02	$13 14	$7 74	$20 88
Alanson	495 00	1,095 00	.....	1,590 00	35 36	7 95	43 31	7 00	7 95	14 95	4 65	7 95	12 60	12 72	7 95	20 67
Algonac	1,000 00	2,847 50	.....	3,847 50	18 50	7 34	25 84	14 05	7 34	21 39	12 50	7 34	19 84	13 50	7 34	20 84
Allegan	1,400 00	7,299 06	$665 00	9,364 06	24 00	3 17	27 17	8 08	3 17	11 25	11 13	3 17	14 30	15 53	3 17	18 70
Almont	750 00	2,069 50	.....	2,819 50	27 67	3 36	31 03	14 51	3 36	17 87	10 20	3 36	13 56	15 32	3 36	18 68
Applegate	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Armada	750 00	1,542 00	.....	2,292 00	16 95	11 35	28 30	9 66	11 35	21 01	6 85	11 35	18 20	10 50	11 35	21 85
Ashley	450 00	630 00	.....	1,080 00	13 63	1 37	15 00	8 78	1 37	10 15	9 26	1 37	10 63	8 44	1 37	9 81
Athens	600 00	1,225 00	.....	1,825 00	25 77	68	26 45	7 20	68	7 88	11 56	68	12 24	13 13	68	13 81
†Atlanta	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Attica	450 00	250 00	.....	700 00	16 46	1 59	18 05	15 45	1 59	17 04	3 90	1 59	5 49	10 45	1 59	12 04
Augusta	750 00	1,755 00	.....	2,505 00	25 00	19 37	44 37	23 84	19 37	43 21	8 10	19 37	27 47	15 56	19 37	34 93
Baldwin	495 00	540 00	.....	1,035 00	30 94	3 72	34 66	7 80	3 72	11 52	4 82	3 72	8 54	7 34	3 72	11 06
Bancroft	800 00	1,400 00	.....	2,200 00	31 80	2 98	34 78	8 10	2 98	11 08	8 50	2 98	11 48	16 30	2 98	19 28
Bangor	850 00	2,647 00	.....	3,497 00	18 50	9 58	28 08	7 65	9 58	17 23	6 33	9 58	15 91	9 40	9 58	18 98
Baraga	1,200 00	5,370 00	.....	6,570 00	.....	.....	.....	.....	.....	.....	.....	.....	.....	12 98	7 53	20 51
Bear Lake	600 00	697 00	70 00	1,367 00	14 28	3 11	17 39	6 43	3 11	9 54	4 69	3 11	7 80	10 28	3 11	13 39
Bellaire	675 00	2,970 00	.....	3,645 00	20 45	2 34	22 79	8 40	2 34	10 74	6 27	2 34	8 61	10 94	2 34	13 28
Belleville	650 00	800 00	.....	1,450 00	15 85	4 61	20 46	8 69	4 61	13 30	6 45	4 61	11 06	10 66	4 61	15 27
Bellevue	800 00	2,052 00	100 00	2,952 00	24 00	3 03	27 03	12 00	3 03	15 03	13 00	3 03	16 03	14 91	3 03	17 94
Benzonia	700 00	1,372 50	.....	2,072 50	36 80	3 24	40 04	8 47	3 24	12 71	11 52	3 24	14 76	14 39	3 24	17 63
Berrien Springs	800 00	1,620 00	.....	2,420 00	24 61	4 07	28 68	14 60	4 07	18 67	10 00	4 07	14 07	10 12	4 07	14 19
Birmingham	1,000 00	3,267 50	.....	4,267 50	16 66	4 94	21 60	10 98	4 94	15 92	7 61	4 94	12 55	10 75	4 94	15 69
Blissfield, 1 fr	700 00	900 00	.....	1,600 00	21 74	4 43	26 17	8 11	4 43	12 54	5 17	4 43	9 60	11 35	4 43	15 78
Blissfield, 2 fr	750 00	1,450 00	.....	2,200 00	31 94	4 85	36 79	4 00	4 85	8 85	5 88	4 85	10 73	11 96	4 85	16 81

† Not legally graded.

TABLE XIX.—CONTINUED.

Incorporated villages.	Amount paid superintendent.	Amount paid regular teachers.	Amount paid special teachers.	Total amount paid for instruction.	Cost of education per capita in—											
					High school.			Grammar department.			Primary department.			Whole school.		
					Instruction.	Incidentals.	Total.	Instruction.	Incidentals.	Total.	Instruction.	Incidentals.	Total.	Instruction.	Incidentals.	Total.
Bloomingdale	$630 00	$945 00	.....	$1,575 00	$18 80	$4 58	$23 38	$8 90	$4 58	$13 48	$7 92	$4 58	$17 50	$11 58	$4 58	$16 16
Boardman	495 00	863 75	.....	1,358 75	16 50	1 04	17 54	10 30	1 04	11 34	7 75	1 04	8 79	10 45	1 04	11 49
Boyne City	1,000 00	4,544 22	.....	5,544 22	32 38	3 56	35 94	10 48	3 56	14 04	6 66	3 56	10 22	9 86	3 56	13 42
Boyne Falls	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Breedsville	450 00	315 00	.....	765 00	15 00	1 93	16 93	12 00	1 93	13 93	9 00	1 93	10 93	12 34	1 93	14 27
Brighton	850 00	1,590 00	.....	2,440 00	29 76	6 01	35 77	9 50	6 01	15 51	8 75	6 01	14 76	14 58	6 01	20 59
Britton	567 00	630 00	.....	1,197 00	14 92	2 48	17 40	9 13	2 48	11 61	9 13	2 48	11 61	11 18	2 48	13 66
Bronson	712 50	2,522 49	.....	3,234 99	18 09	7 69	25 78	15 55	7 69	23 24	12 22	7 69	19 91	14 70	7 69	22 39
Brooklyn	800 00	1,625 00	.....	2,425 00	30 50	3 35	33 85	12 39	3 35	33 85	10 16	3 35	13 51	16 50	3 35	19 85
Brown City	650 00	1,060 00	.....	1,710 00	20 00	2 63	22 63	6 80	2 63	9 43	6 70	2 63	9 33	8 91	2 63	11 54
Buchanan	975 00	4,654 89	$360 00	5,989 89	36 10	9 35	45 45	17 20	9 35	26 55	14 30	9 35	23 65	21 31	9 35	30 66
Burlington	405 00	500 00	.....	905 00	30 69	1 74	32 43	11 35	1 74	13 09	9 61	1 74	11 35	11 31	1 74	13 05
Burr Oak	585 00	1,792 89	.....	2,377 89	29 31	3 60	32 91	12 82	3 60	16 42	7 13	3 60	10 73	13 43	3 60	17 03
Byron	650 00	975 00	.....	1,625 00	46 43	5 39	51 82	9 39	5 39	14 78	9 69	5 39	15 08	14 00	5 39	19 39
Caledonia	750 00	1,050 00	.....	1,800 00	20 90	4 99	25 89	18 61	4 99	23 60	12 63	4 99	17 62	12 67	4 99	17 66
Camden	500 00	860 00	.....	1,360 00	19 23	7 75	26 98	14 05	7 75	21 80	9 26	7 75	17 01	12 60	7 75	20 35
Capac	600 00	1,350 00	.....	1,950 00	16 29	8 22	24 51	8 76	8 22	16 98	6 46	8 22	14 68	10 10	8 22	18 32
Caro	1,200 00	5,649 50	419 50	7,269 00	19 02	7 05	26 07	15 77	7 05	22 82	13 65	7 05	20 70	15 46	7 05	22 51
Carson City	800 00	2,116 76	.....	2,916 76	21 44	6 36	27 80	11 60	6 36	17 96	9 43	6 36	15 79	12 31	6 36	18 67
Carsonville	600 00	600 00	.....	1,200 00	21 43	7 68	29 11	4 84	7 68	12 52	3 41	7 68	11 09	6 74	7 68	14 42
Caseville	700 00	800 00	.....	1,500 00	17 50	1 74	19 24	8 16	1 74	9 90	4 39	1 74	6 13	11 63	1 74	13 37
[illegible]novia	585 00	585 00	.....	1,170 00	19 50	1 99	21 49	6 43	1 99	8 42	7 16	1 99	9 15	10 09	1 99	12 08
[illegible]ity	900 00	3,040 85	200 00	4,140 85	18 30	4 29	22 59	5 00	4 29	9 29	8 00	4 29	12 29	11 69	4 29	15 98
[illegible]olis	1,000 00	2,945 00	.....	3,945 00	32 00	3 60	35 60	9 00	3 60	12 60	6 00	3 60	9 60	13 56	3 60	17 16
[illegible]Springs	631 85	2,373 75	.....	3,005 60	30 19	6 70	36 89	9 80	6 70	16 50	9 16	6 70	15 86	13 42	6 70	20 12
[illegible] Lake	900 00	2,137 50	337 50	3,375 00	25 00	10 66	35 66	7 00	10 66	17 66	5 50	10 66	16 16	13 18	10 66	23 84
[illegible]rille	800 00	1,755 00	.....	2,555 00	25 78	4 73	30 51	20 43	4 73	25 16	18 60	4 73	23 33	20 94	4 73	25 67
[illegible]a	1,000 00	4,640 00	350 00	5,990 00	25 19	5 10	30 29	12 65	5 10	17 75	9 87	5 10	14 97	14 90	5 10	20 00
[illegible]eaning	1,200 00	2,925 00	.....	4,125 00	33 72	4 74	38 46	11 40	4 74	16 14	12 62	4 74	17 36	16 70	4 74	21 44
Clarkston	850 00	1,600 00	.....	2,450 00	37 88	6 88	44 76	11 25	6 88	18 13	6 52	6 88	13 40	20 59	6 88	27 47

Clayton	600 00	495 00	.....	1,095 00	24 00	4 58	28 58	9 31	4 58	13 89	8 04	4 58	12 62	13 36	4 58	17 94
†Clifford	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Climax	450 00	930 00	.....	1,380 00	23 12	4 77	27 89	10 79	4 77	15 56	9 43	4 77	14 20	13 02	4 77	17 79
Clinton	800 00	2,223 00	.....	3,023 00	28 64	3 55	32 19	11 31	3 35	14 86	8 58	3 55	12 13	15 04	3 55	18 59
Clio	700 00	1,940 00	.....	2,640 00	25 71	4 52	30 23	16 07	4 52	20 59	13 41	4 52	17 93	17 72	4 52	22 24
Coloma	630 00	1,548 00	.....	2,178 00	24 00	6 70	30 70	7 73	6 70	14 43	6 15	6 70	12 85	10 28	6 70	16 98
Colon	700 00	2,115 00	.....	2,815 00	26 99	7 54	34 53	12 86	7 54	20 40	12 60	7 54	20 14	17 21	7 54	24 75
Columbiaville	600 00	1,200 00	.....	1,800 00	35 45	9 75	45 20	13 33	9 75	23 08	11 00	9 75	20 75	16 51	9 75	26 26
Concord	725 00	1,407 50	.....	2,132 50	23 13	6 40	29 53	14 08	6 40	20 48	15 11	6 40	21 51	16 66	6 40	23 06
Constantine	1,100 00	2,620 00	.....	3,720 00	26 76	5 30	32 06	14 01	5 30	19 31	8 56	5 31	13 87	15 31	5 30	20 61
Coopersville	600 00	1,330 00	.....	1,930 00	15 54	2 44	17 98	8 75	2 44	11 19	7 92	2 44	10 36	10 60	2 44	13 04
Copemish	550 00	750 00	.....	1,300 00	14 06	86	14 92	12 00	86	12 86	7 00	86	7 86	11 21	86	12 07
†Croton	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Custer	450 00	315 00	.....	855 00	.....	.....	.....	10 60	1 71	12 31	5 16	1 71	6 87	7 63	1 71	9 34
†Daggett	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Dansville	700 00	960 00	.....	1,660 00	21 05	1 07	22 12	16 52	1 07	17 59	12 97	1 07	14 04	16 94	1 07	18 01
Davison	600 00	1,650 00	.....	2,250 00	21 13	7 08	28 21	15 20	7 08	22 28	11 25	7 08	18 33	12 10	7 08	19 18
Dearborn	750 00	1,800 00	100 00	2,650 00	40 00	3 36	43 36	6 30	3 36	9 66	5 96	3 36	9 32	9 38	3 36	12 74
Decatur	1,000 00	2,412 00	.....	3,412 00	14 64	3 60	18 24	8 84	3 60	12 44	7 02	3 60	10 62	11 86	3 60	15 46
Deckerville	540 00	675 00	.....	1,215 00	22 00	4 85	26 85	6 30	4 85	11 15	5 00	4 85	9 85	7 95	4 85	12 80
Deerfield	630 00	1,170 00	.....	1,800 00	31 50	1 16	32 66	9 69	1 16	10 85	6 21	1 16	7 37	10 46	1 16	11 62
Delray	1,650 00	18,787 34	1,810 00	22,247 34	48 20	17 75	65 95	16 50	17 75	34 25	16 50	17 75	24 25	16 82	17 75	34 57
Detour	700 00	2,005 00	.....	2,705 00	35 00	5 30	40 30	.....	.....	.....	.....	.....	.....	13 66	5 30	18 96
Dexter	765 00	2,070 00	135 00	2,970 00	22 69	3 56	26 25	9 26	3 56	12 82	8 74	3 56	12 30	12 53	3 56	16 09
Douglas	540 00	720 00	.....	1,260 00	54 00	4 90	58 90	10 80	4 90	15 70	7 20	4 90	12 10	11 45	4 90	16 35
Dryden	650 00	650 00	.....	1,300 00	26 00	2 76	28 76	10 00	2 76	12 76	5 66	2 76	8 42	11 50	2 76	14 26
Dundee	750 00	3,637 50	36 00	4,423 50	30 00	3 64	33 64	12 00	3 64	15 64	7 00	3 64	10 64	20 11	3 64	23 75
Durand	1,000 00	4,710 00	.....	5,710 00	39 80	12 92	52 72	12 20	12 92	25 12	9 50	12 92	22 42	14 10	12 92	27 02
†Eagle	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
East Grand Rapids	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
East Jordan	1,000 00	2,790 00	.....	3,790 00	16 96	5 71	22 67	13 36	5 71	19 07	9 54	5 71	15 25	12 11	5 71	17 81
Eau Claire	600 00	990 00	.....	1,590 00	21 60	1 44	23 04	10 60	1 44	12 04	12 11	1 44	13 55	14 32	1 44	15 76
Ecorse	675 00	1,600 00	.....	2,275 00	55 55	5 37	60 92	17 97	5 37	23 34	7 50	5 37	12 87	16 25	5 37	21 62
Edmore	600 00	1,330 00	.....	1,930 00	18 75	2 38	21 13	7 96	2 38	10 34	7 73	2 38	10 11	10 78	2 38	13 16
Elk Rapids	1,300 00	5,347 50	.....	6,647 50	24 34	11 64	35 98	12 34	11 64	23 98	13 50	11 64	25 14	14 77	11 64	26 41
Elkton	800 00	1,230 00	.....	2,030 00	25 00	8 11	33 11	9 00	8 11	17 11	8 00	8 11	16 11	8 98	8 11	17 07
Elsie	570 00	1,092 50	.....	1,662 50	17 81	7 52	25 33	8 03	7 52	15 55	8 04	7 52	15 56	9 90	7 52	17 42
†Emmet	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Empire	700 00	945 00	.....	1,645 00	14 00	6 63	20 63	8 00	6 63	14 63	7 00	6 63	13 63	9 67	6 63	16 30
Essexville	700 00	1,200 00	400 00	2,300 00	.....	.....	.....	19 52	12 35	31 87	13 90	12 35	26 25	16 43	12 35	28 78
Evart	1,150 00	4,963 75	.....	6,113 75	34 23	7 50	41 73	16 82	7 50	24 32	15 90	7 50	23 40	20 18	7 50	27 68
†Fairgrove	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
†Fairview	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Farmington	700 00	900 00	92 45	1,692 45	28 00	4 10	32 10	7 76	4 10	11 86	7 03	4 10	11 13	11 51	4 10	15 61
Farwell	585 00	1,179 00	.....	1,764 00	17 73	3 21	20 94	8 74	3 21	11 95	8 10	3 21	11 31	10 08	3 21	13 29

† Not legally graded

TABLE XIX.—CONTINUED.

Incorporated villages.	Amount paid superintendent.	Amount paid regular teachers.	Amount paid special teachers.	Total amount paid for instruction.	Cost of education per capita in—											
					High school.			Grammar department.			Primary department.			Whole school.		
					Instruction.	Incidentals.	Total.	Instruction.	Incidentals.	Total.	Instruction.	Incidentals.	Total.	Instruction.	Incidentals.	Total.
Fennville	$765 00	$1,422 00	.....	$2,187 00	$22 06	$4 57	$26 63	$6 58	$4 57	$11 15	$10 00	$4 57	$14 57	$12 88	$4 57	$17 45
Fenton	1,000 00	5,715 00	.....	6,715 00	.....	.....	.....	.....	.....	.....	.....	.....	.....	14 12	.....	.....
Fife Lake	540 00	720 00	.....	1,260 00	17 42	6 73	24 15	13 84	6 73	20 57	7 66	6 73	14 39	12 11	6 73	18 84
Flushing	1,000 00	1,850 00	.....	2,850 00	34 09	8 29	42 38	11 02	8 29	19 31	8 04	8 29	16 33	15 00	8 29	23 29
Ford	750 00	1,500 00	$250 00	2,500 00	.....	.....	.....	16 20	12 41	28 61	16 58	12 41	28 99	16 13	12 41	28 54
Forestville	432 00	120 00	.....	552 00	.....	.....	.....	.....	.....	.....	.....	.....	.....	3 64	2 08	5 72
†Fowler	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Fowlerville	800 00	2,400 00	.....	3,200 00	22 30	1 60	23 90	10 93	1 60	12 53	16 30	1 60	17 90	19 05	1 60	20 65
†Frankenmuth	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Frankfort	1,100 00	4,603 92	350 00	6,053 92	27 65	4 81	32 46	11 48	4 81	16 29	9 74	4 81	14 55	13 07	4 81	17 88
†Fraser	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Fremont	900 00	3,850 00	.....	4,750 00	16 00	3 41	19 41	11 12	3 41	14 53	8 41	3 41	11 82	14 97	3 41	18 38
Fruitport	700 00	450 00	.....	1,150 00	.....	.....	.....	33 33	2 52	35 85	9 00	2 52	11 52	17 16	2 52	19 68
Gagetown	500 00	350 00	.....	850 00	.....	.....	.....	15 62	2 75	18 37	9 72	2 75	12 47	12 50	2 75	15 25
Gaines	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Galesburg	750 00	1,629 00	80 00	2,459 00	19 31	3 65	22 96	14 59	3 65	18 24	10 38	3 65	14 03	14 90	3 65	18 55
Galien	585 00	1,012 50	.....	1,597 50	21 51	4 05	25 56	9 81	4 05	13 86	8 68	4 05	12 73	11 49	4 05	15 54
†Garden	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Gaylord	1,000 00	4,152 50	.....	5,152 50	53 95	51 48	105 43	11 36	51 48	62 84	8 75	51 48	60 23	14 20	51 48	65 68
†Glenwood	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
[illegible]ville	550 00	1,282 50	.....	1,832 50	22 14	3 65	25 79	10 96	3 65	14 61	8 12	3 65	11 77	12 73	3 65	16 38
[illegible]ville	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
[illegible]ake	700 00	1,700 00	250 00	2,650 00	26 92	11 48	38 40	18 42	11 48	29 90	18 33	11 48	29 81	22 08	11 48	33 56
[illegible]g	1,000 00	3,375 00	400 00	4,775 00	19 17	4 86	24 03	12 96	4 86	17 82	11 05	4 86	15 91	13 56	4 86	18 46
[illegible]e Pointe	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
[illegible] Pointe Farms	550 00	700 00	.....	1,250 00	.....	.....	.....	23 15	16 65	39 80	10 76	16 65	27 41	14 88	16 65	31 53
[illegible]ntramck	825 00	2,976 50	25 00	3,826 50	.....	.....	.....	28 29	11 09	39 38	6 12	11 09	17 21	12 76	11 09	23 85
Hanover	600 00	1,075 00	.....	1,675 00	13 52	5 00	18 52	11 38	5 00	16 38	11 17	5 00	16 17	14 74	5 00	19 74
Harbor Beach	1,100 00	2,925 00	.....	4,025 00	26 06	8 83	34 89	9 66	8 83	18 49	8 05	8 83	16 88	12 90	8 83	21 73

Harbor Springs	925 00	3,430 88	.....	4,355 88	27 50	3 18	30 68	8 00	3 18	11 18	9 19	3 18	12 37	11 46	3 18	14 64
Harrietta	450 00	630 00	.....	1,080 00	28 12	8 45	36 57	7 00	8 45	15 45	5 73	8 45	14 18	9 31	8 45	17 76
Hart	925 00	3,667 00	202 00	4,794 00	21 74	7 52	29 26	13 81	7 52	21 33	10 35	7 52	17 87	14 06	7 52	21 58
Hartford	900 00	2,448 00	135 00	3,483 00	13 50	4 99	18 49	7 90	4 99	12 89	7 70	4 99	12 69	11 49	4 99	16 48
Hersey	600 00	1,047 00	.....	1,647 00	20 00	4 25	24 25	14 00	4 25	18 25	13 00	4 25	17 25	14 97	4 25	19 22
Hesperia	585 00	1,287 00	.....	1,872 00	21 75	3 72	25 47	8 64	3 72	12 36	15 48	3 72	19 20	13 37	3 72	17 09
Highland Park	900 00	1,500 00	.....	2,450 00	.....	.....	.....	22 29	9 14	31 43	14 49	9 14	23 63	17 01	9 14	26 15
†Hillman	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Holly	1,000 00	2,610 00	140 00	3,750 00	19 00	4 28	23 28	11 00	4 28	15 28	9 00	4 28	13 28	13 02	4 28	17 30
Homer	750 00	2,480 00	300 00	3,530 00	20 89	1 22	22 11	11 82	1 22	13 04	11 43	1 22	12 65	10 12	1 22	11 34
Houghton	1,800 00	19,656 25	600 00	22,056 25	50 89	12 42	63 31	18 50	12 42	30 92	18 10	12 42	30 52	21 49	12 42	33 91
Howard City	807 50	2,485 00	313 50	3,606 00	26 00	3 90	29 90	11 45	3 90	15 35	10 70	3 90	14 60	13 60	3 90	17 50
Howell	1,300 00	5,757 00	500 00	7,557 00	24 40	1 79	26 19	10 07	1 79	11 86	11 06	1 79	12 85	14 29	1 79	16 08
Hubbardston	585 00	630 00	.....	1,215 00	17 18	6 25	23 43	13 20	6 25	19 45	9 82	6 25	16 07	13 81	6 25	20 06
‖Hubbell	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Imlay City	1,000 00	2,650 00	.....	3,650 00	28 60	2 73	31 33	8 80	2 73	11 03	7 90	2 73	10 63	12 41	2 73	15 14
Iron River	1,000 00	4,600 00	.....	5,600 00	.....	.....	.....	.....	.....	.....	.....	.....	.....	15 05	2 69	17 74
Ithaca	1,000 00	4,775 00	300 00	6,175 00	18 30	5 49	23 79	10 88	5 49	16 37	7 90	5 49	13 39	14 43	5 49	19 92
Jerome	360 00	225 00	.....	585 00	.....	.....	.....	25 71	3 29	29 00	7 09	3 29	10 38	12 72	3 29	16 01
Jonesville	1,000 00	2,830 00	.....	3,830 00	32 20	5 27	37 47	12 52	5 27	17 59	8 00	5 27	13 27	14 18	5 27	19 45
Kalkaska	900 00	3,250 26	.....	4,150 26	20 15	2 65	22 80	11 70	2 65	14 35	11 23	2 65	13 88	14 36	2 65	17 01
†Kinde	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Kingsley	540 00	684 00	.....	1,224 00	14 60	8 97	23 57	8 02	8 97	16 99	5 00	8 97	13 97	8 38	8 97	17 35
Kingston	525 00	300 00	.....	825 00	.....	.....	.....	8 47	58	9 05	4 48	58	5 06	6 39	58	7 97
Laingsburg	700 00	1,475 00	.....	2,175 00	42 86	10 23	53 09	12 18	10 23	22 41	8 86	10 23	19 09	17 68	10 23	27 91
Lake Ann	450 00	360 00	.....	810 00	.....	.....	.....	13 63	3 15	16 78	6 53	3 15	9 68	11 57	3 15	14 72
Lake City	540 00	1,065 00	.....	1,605 00	25 70	5 63	31 33	6 00	5 63	11 63	7 78	5 63	13 41	7 53	5 63	13 16
Lake Linden	1,800 00	13,933 50	662 50	16,396 00	33 99	12 63	46 62	27 73	12 63	40 36	15 24	12 63	27 87	22 16	12 63	34 79
Lake Odessa	850 00	2,652 50	.....	3,502 50	17 92	6 47	24 39	8 35	6 47	14 82	11 33	6 47	17 80	11 67	6 47	18 14
Lakeview	1,000 00	2,297 00	.....	3,297 00	19 83	3 63	23 46	8 44	3 63	12 07	10 85	3 63	14 51	12 03	3 63	15 66
L'Anse	1,200 00	5,499 50	.....	6,699 50	49 29	7 99	57 28	15 65	7 99	23 64	21 86	7 99	29 85	21 82	7 99	29 81
¶Laurium	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Lawrence	900 00	1,800 00	.....	2,700 00	31 50	10 27	41 77	14 11	10 27	24 38	5 70	10 27	15 97	15 70	10 27	25 97
Lawton	800 00	1,620 00	.....	2,420 00	19 33	5 11	24 44	10 23	5 11	15 34	5 62	5 11	10 73	10 52	5 11	15 63
Leonard	507 87	560 00	.....	1,067 87	18 52	4 84	23 36	8 48	4 84	13 32	6 36	4 84	11 20	10 27	4 84	15 11
Le Roy	540 00	990 00	20 00	1,550 00	18 62	4 19	22 81	9 39	4 19	13 58	9 26	4 19	13 45	11 31	4 19	15 50
Leslie	1,000 00	2,050 00	.....	3,050 00	30 00	10 24	40 24	10 00	10 24	20 24	11 00	10 24	21 24	15 10	10 24	25 34
Lexington	700 00	1,425 00	.....	2,125 00	34 70	5 51	40 21	6 73	5 51	12 24	12 07	5 51	17 58	15 07	5 51	20 58
Linden	600 00	1,050 00	.....	1,650 00	19 79	4 57	24 36	7 00	4 57	11 57	4 37	4 57	8 94	11 62	4 57	16 19
Lisbon	585 00	315 00	.....	900 00	.....	.....	.....	22 50	5 87	28 37	9 00	5 87	14 87	14 75	5 87	20 62
Litchfield	600 00	1,200 00	.....	1,800 00	23 07	4 80	27 87	12 14	4 80	16 94	8 82	4 80	13 62	13 65	4 80	18 45
Lowell	1,200 00	4,375 00	.....	5,575 00	12 00	6 54	18 54	11 00	6 54	17 54	8 58	6 54	15 12	11 38	6 54	17 92
Luther	600 00	1,301 25	.....	1,901 25	24 00	42	24 42	9 35	42	9 77	5 38	42	5 80	8 72	42	9 14
Lyons	720 00	1,237 50	.....	1,957 50	14 45	4 12	18 57	15 53	4 12	19 65	16 14	4 12	20 26	15 29	4 12	19 41
Mackinaw City	630 00	1,035 00	.....	1,665 00	30 00	3 65	33 65	7 50	3 65	11 15	6 75	3 65	10 40	11 32	3 65	14 97

† Not legally graded. ‖ Was South Lake Linden. Report included with Lake Linden. ¶ Included in Calumet which is not incorporated.

TABLE XIX.—CONTINUED.

Incorporated villages.	Amount paid superintendent.	Amount paid regular teachers.	Amount paid special teachers.	Total amount paid for instruction.	Cost of education per capita in—											
					High school.			Grammar department.			Primary department.			Whole school.		
					Instruction.	Incidentals.	Total.	Instruction.	Incidentals.	Total.	Instruction.	Incidentals.	Total.	Instruction.	Incidentals.	Total.
Mancelona	$900 00	$4,500 00	.....	$5,400 00	$15 27	$7 59	$22 86	$12 27	$7 59	$19 86	$12 36	$7 59	$19 95	$10 89	$7 59	$18 48
Manchester	1,000 00	2,890 00	.....	3,890 00	22 00	2 85	24 85	10 64	2 85	13 49	9 90	2 85	12 75	13 70	2 85	16 55
Manton	630 00	2,295 00	.....	2,925 00	27 00	4 11	31 11	12 03	4 11	16 14	7 50	4 11	11 61	11 40	4 11	15 51
Maple Rapids	700 00	1,100 00	.....	1,800 00	18 03	4 12	22 15	10 00	4 12	14 72	8 53	4 12	12 65	13 33	4 12	17 45
Marcellus	800 00	2,070 00	.....	2,870 00	29 00	9 51	38 51	8 70	9 51	18 21	9 49	9 51	19 00	13 90	9 51	23 41
Marion	585 00	1,269 00	.....	1,854 00	18 30	7 15	25 45	7 24	7 15	14 39	5 46	7 15	12 61	7 68	7 15	14 83
†Marlborough	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Marlette	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
†Maybee	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Mayville	700 00	1,450 00	.....	2,150 00	22 00	5 41	27 41	5 83	5 41	11 24	7 36	5 41	12 77	10 49	5 41	15 90
McBain	585 00	1,575 00	.....	2,160 00	29 00	3 06	32 06	7 86	3 06	10 92	7 77	3 06	10 83	10 59	3 06	13 65
McBrides	650 00	617 50	.....	1,267 50	18 56	2 65	21 21	9 22	2 65	11 87	5 58	2 65	8 23	10 39	2 65	13 04
Mecosta	540 00	567 00	.....	1,107 00	13 84	3 38	17 22	9 54	3 38	12 92	12 00	3 38	15 38	12 03	3 38	15 41
Memphis	650 00	1,425 00	.....	2,075 00	38 94	6 11	15 05	8 33	6 11	14 44	8 82	6 11	14 93	13 13	6 11	19 24
Mendon	700 00	1,944 00	.....	2,644 00	18 00	4 94	22 94	10 00	4 94	14 94	9 00	4 94	13 94	15 04	4 94	20 58
†Merrill	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Mesick	450 00	945 00	.....	1,395 00	28 07	20 07	48 14	10 41	20 07	30 48	8 87	20 07	28 94	15 00	20 07	35 07
Metamora	725 00	650 00	.....	1,375 00	20 13	9 36	29 49	13 20	9 36	22 56	9 14	9 36	18 50	14 32	9 36	23 68
Middleville	850 00	2,150 00	.....	3,000 00	30 31	5 35	35 66	10 65	5 35	16 00	10 96	5 35	16 31	16 39	5 35	21 74
Milan	900 00	2,700 00	.....	3,600 00	24 00	3 79	27 79	10 30	3 79	14 09	8 00	3 79	11 79	12 08	3 79	15 87
Milford	950 00	2,315 00	.....	3,265 00	47 28	6 58	53 86	11 29	6 58	17 87	10 49	6 58	17 07	18 45	6 58	25 03
Millersburg	600 00	1,375 00	.....	1,975 00	.....	.....	.....	20 21	5 64	25 85	7 02	5 64	12 66	10 23	5 64	15 87
[illegible]ton	600 00	950 00	.....	1,550 00	12 95	7 03	19 98	9 09	7 03	16 12	4 92	7 03	11 95	8 71	7 03	15 74
[illegible]	495 00	516 00	.....	1,011 00	12 07	3 91	15 98	6 66	3 91	10 57	3 48	3 91	7 39	6 97	3 91	10 86
[illegible]ue	675 00	1,844 50	$90 00	2,609 50	18 62	12 93	31 55	7 14	12 93	20 07	7 52	12 93	20 45	11 86	12 93	24 79
[illegible]se	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
[illegible]	1,000 00	1,827 00	.....	2,827 00	18 92	3 10	22 02	8 94	3 10	12 04	6 18	3 10	9 28	11 13	3 10	14 23
[illegible]	465 00	549 00	.....	1,014 00	8 60	5 03	13 63	10 39	5 03	15 42	9 96	5 03	14 99	10 14	5 03	15 17
[illegible]e	617 50	926 25	.....	1,543 75	.....	.....	.....	.....	.....	.....	.....	.....	.....	13 66	4 51	18 17
[illegible]forris	775 00	1,050 00	.....	1,825 00	14 92	5 74	20 66	9 16	5 74	14 90	6 14	5 74	11 88	10 20	5 74	15 94

†Mulliken																
Munising	1,300 00	7,480 00	500 00	9,280 00	19 00	6 21	25 21	17 00	6 21	23 21	16 00	6 21	22 21	15 46	6 21	21 67
Muir	540 00	809 25		1,349 25	38 57	4 98	43 55	11 25	4 98	16 23	10 17	4 98	15 15	14 83	4 98	19 81
Nashville	800 00	2,820 00	120 00	3,740 00	15 00	2 17	17 17	12 00	2 17	14 17	10 00	2 17	12 17	13 91	2 17	16 08
†Naubinway																
Newaygo	850 00	2,725 90		3,575 90	19 02	22 79	41 81	24 66	22 79	47 45	30 98	22 79	53 77	30 30	22 79	53 09
New Baltimore	752 12	1,723 00		2,475 12	35 61	13 19	48 80	9 07	13 19	22 26	8 47	13 19	21 66	14 56	13 19	27 75
Newberry	1,200 00	7,942 50		9,142 50										21 46	15 04	36 50
†New Boston																
New Buffalo	675 00	995 00		1,670 00	16 87	9 64	26 51	18 75	9 64	28 39	5 67	9 64	15 31	9 66	9 64	19 30
New Haven	495 00	729 00		1,224 00	15 01	12 35	27 36	11 53	12 35	23 88	6 64	12 35	18 89	11 33	12 35	23 68
North Adams	600 00	1,045 00		1,645 00	18 00	4 53	22 53	7 55	4 53	12 08	11 08	4 53	15 61	12 86	4 53	17 39
North Branch	800 00	1,650 00		2,450 00	22 90	13 04	35 94	11 50	13 04	24 54	9 00	13 04	22 64	13 69	13 04	26 73
Northport	650 00	1,432 00		2,082 00	36 11	5 56	41 67	7 37	5 56	12 93	7 96	5 56	13 52	11 90	5 56	17 46
Northville	1,100 00	4,129 00		5,229 00	30 18	3 23	33 41	12 22	3 23	15 45	7 74	3 23	10 97	13 34	3 23	16 57
Oakley	405 00	225 00		630 00				15 00	2 22	17 22	6 81	2 22	9 03	10 32	2 22	12 55
Olivet	750 00	1,760 00	150 00	2,660 00	15 00	4 40	19 40	10 00	4 40	14 40	9 00	4 40	13 40	14 30	4 40	18 70
Onekama	540 00	630 00		1,170 00	15 88	5 37	21 25	8 28	5 37	13 65	6 56	5 37	11 93	9 75	5 37	15 12
Ontonagon	675 00	1,934 50		2,609 50	18 62	6 11	24 73	7 14	6 11	13 25	7 52	6 11	13 63	11 86	6 11	17 97
Orion	600 00	1,575 00		2,175 00	26 93	15 16	42 09	10 75	15 16	25 91	9 44	15 16	24 60	14 03	15 16	29 19
Ortonville	700 00	640 00		1,340 00	20 00	3 95	23 95	10 66	3 95	14 61	8 42	3 95	12 37	13 01	3 95	16 96
Oscoda	585 00	1,395 00		1,980 00	18 95	5 13	24 08	7 40	5 13	12 53	5 76	5 13	10 89	7 98	5 13	13 12
Otisville	600 00	600 00		1,200 00	13 90	1 64	15 54	7 50	1 64	9 14	4 88	1 64	6 52	8 89	1 64	10 53
Otsego	1,300 00	4,754 25	279 00	6,333 25	22 55	4 49	27 04	8 53	4 49	13 02	9 61	4 49	14 10	13 89	4 49	18 38
Otter Lake	360 00	270 00		630 00				12 00	1 77	13 77	9 00	1 77	10 77	10 50	1 77	12 27
Ovid	1,000 00	3,250 00	120 00	4,370 00	20 00	5 42	25 42	11 00	5 42	16 42	10 95	5 42	16 37	15 07	5 42	20 49
Owendale	405 00			405 00										6 43	1 23	7 66
Oxford	850 00	2,920 00		3,770 00	27 24	8 52	35 76	19 67	8 52	28 19	9 52	8 52	18 04	18 43	8 52	26 95
Parma	650 00	1,437 75	180 00	2,267 75	24 02	15 88	39 90	14 21	15 88	30 09	11 80	15 88	27 68	18 28	15 88	34 16
Paw Paw	1,200 00	3,391 80		4,591 80	19 69	9 66	29 35	7 00	9 66	16 66	7 87	9 66	17 53	13 23	9 66	22 89
†Peck																
Pentwater	900 00	2,580 00		3,480 00	17 07	6 55	23 62	11 41	6 55	17 96	11 75	6 55	18 30	11 88	6 55	18 43
†Perrinton																
Perry	800 00	1,675 00		2,475 00	25 00	25 70	50 70	11 00	25 70	36 70	9 00	25 70	34 70	17 68	25 70	43 38
Petersburg	567 00	1,215 00		1,782 00	17 71	4 50	22 21	9 77	4 50	14 27	7 07	4 50	11 57	12 04	4 50	16 54
Pewamo	540 00	540 00		1,080 00	15 00	18 34	33 54	8 43	18 54	26 97	7 10	18 54	25 64	10 19	18 54	28 73
Pierson	450 00	270 00		720 00				8 33	2 07	10 40	7 71	2 07	9 78	7 58	2 07	9 65
Pigeon	650 00	1,050 00		1,700 00	18 52	21	18 73	5 55	21	5 76	5 10	21	5 33	7 27	21	7 48
Pinckney	700 00	950 00		1,650 00	30 88	4 64	35 52	14 04	4 64	18 68	5 77	4 64	10 41	15 00	4 64	19 64
Pinconning																
Plainwell	1,100 00	3,042 50		4,142 50	24 57	6 35	30 92	11 61	6 35	17 96	6 84	6 35	13 19	14 04	6 35	20 39
Plymouth	1,000 00	3,670 00	307 50	4,977 50	20 50	3 56	24 06	13 30	3 56	16 86	12 20	3 56	15 76	15 17	3 56	18 73
Port Austin	700 00	1,250 00		1,950 00	46 66	5 57	52 23	11 36	5 57	16 93	5 59	5 57	11 16	10 10	5 57	15 67
Port Hope	575 00	600 00		1,175 00	22 11	2 77	24 88	11 54	2 77	14 31	13 63	2 77	16 40	15 87	2 77	18 64
Portland	900 00	4,660 00	100 00	5,660 00	20 24	4 65	24 89	13 43	4 65	18 08	10 41	4 65	15 06	14 47	4 65	19 12

† Not legally graded.

TABLE XIX.—CONCLUDED.

Incorporated villages.	Amount paid superintendent.	Amount paid regular teachers.	Amount paid special teachers.	Total amount paid for instruction.	Cost of education per capita in—											
					High school.			Grammar department.			Primary department.			Whole school.		
					Instruction.	Incidentals.	Total.	Instruction.	Incidentals.	Total.	Instruction.	Incidentals.	Total.	Instruction.	Incidentals.	Total.
Port Sanilac	$495 00	$540 00	.....	$1,035 00	$13 10	$2 71	$15 81	$9 31	$2 71	$12 02	$6 58	$2 71	$9 29	$9 95	$2 71	$12 66
Potterville	450 00	755 50	.....	1,205 50	11 84	2 51	14 35	11 70	2 51	14 21	9 67	2 51	12 18	11 06	2 51	13 57
Quincy	1,000 00	2,650 00	.....	3,650 00	28 87	6 95	35 82	7 89	6 95	14 84	8 90	6 95	15 85	14 15	6 95	21 10
Reading	1,100 00	2,176 50	.....	3,276 50	24 26	4 63	28 89	9 51	4 63	14 14	6 60	4 63	11 23	13 60	4 63	18 23
¶Red Jacket	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Reed City	1,100 00	5,243 00	.....	6,343 00	21 97	4 03	26 00	10 16	4 03	14 19	9 87	4 03	13 90	13 26	4 03	17 29
†Reese	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Richland	540 00	1,016 25	.....	1,556 25	19 76	6 56	26 32	17 82	6 56	24 38	10 50	6 56	17 06	16 73	6 56	23 29
Richmond	750 00	1,981 50	.....	2,731 50	39 80	5 95	45 75	11 82	5 95	17 77	10 58	5 95	16 53	15 79	5 95	21 74
River Rouge	855 00	5,761 75	$403 75	7,020 50	18 60	9 73	28 33	15 85	9 73	25 58	9 24	9 73	18 97	13 37	9 73	23 10
Rochester	950 00	2,175 00	.....	3,125 00	33 00	3 30	36 30	8 00	3 30	11 30	7 66	3 30	10 96	11 97	3 30	15 27
Rockford	700 00	1,800 00	.....	2,500 00	33 22	6 09	39 31	12 07	6 09	19 16	11 11	6 09	17 20	16 45	6 09	22 54
Rogers	540 00	1,444 00	.....	1,984 00	22 50	20 02	42 52	12 85	20 02	32 87	9 46	20 02	29 48	12 10	20 02	32 12
Romeo	1,552 50	3,300 00	250 00	5,102 50	21 81	4 75	26 56	17 22	4 75	21 97	15 64	4 75	20 39	17 64	4 75	22 39
Roscommon	605 56	700 00	.....	1,305 56	26 32	4 59	30 91	11 66	4 59	16 25	7 77	4 59	12 36	13 32	4 59	17 91
Royal Oak	750 00	1,700 00	.....	2,450 00	33 33	7 95	41 28	16 25	7 95	24 20	5 63	7 95	13 58	10 99	7 95	18 94
St. Charles	950 00	2,900 00	.....	3,850 00	34 11	5 40	39 51	8 89	5 40	14 29	4 61	5 40	10 01	10 66	5 40	16 06
†St. Clair Heights	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Saline	900 00	2,185 00	.....	3,085 00	30 33	4 19	34 52	13 98	4 19	18 17	11 38	4 19	15 57	16 85	4 19	21 04
Sand Lake	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Saranac	650 00	2,025 00	.....	2,675 00	19 44	5 53	24 97	10 75	5 53	16 28	8 22	5 53	13 75	11 94	5 53	17 47
Saugatuck	900 00	1,382 75	.....	2,282 75	.....	.....	.....	.....	.....	.....	.....	.....	.....	11 30	10 89	22 19
[illegible]craft	1,000 00	1,854 00	.....	2,854 00	31 51	4 19	35 70	14 11	4 19	18 30	10 41	4 19	14 60	15 60	4 19	19 79
[illegible]ille	600 00	2,182 50	.....	2,782 50	18 60	4 55	23 15	12 73	4 55	17 28	12 17	4 55	16 72	15 45	4 55	20 00
[illegible]ng	700 00	1,725 00	.....	2,425 00	25 00	3 38	28 38	4 70	3 38	8 08	6 09	3 38	9 47	8 75	3 38	12 13
[illegible]	800 00	2,897 50	.....	3,697 50	11 82	4 35	16 17	15 10	4 35	19 45	12 61	4 35	16 96	13 06	4 35	19 41
[illegible]i	630 00	1,620 00	.....	2,250 00	16 50	2 89	19 39	6 77	2 89	9 66	7 93	2 89	10 82	9 27	2 89	12 16
[illegible]	585 00	945 00	.....	1,530 00	19 50	67	20 17	8 35	67	9 02	5 40	67	6 02	10 20	67	10 87
[illegible]_1	630 00	1,040 00	.....	1,670 00	14 64	9 45	24 09	9 61	9 45	19 06	4 84	9 45	14 29	9 17	9 45	18 62
[illegible]rood	495 00	1,005 00	.....	1,500 00	19 80	3 67	23 47	7 25	3 67	10 92	11 60	3 67	15 27	10 87	3 67	14 54

†Sibley																
†South Frankfort																
South Lyon	700 00	1,330 00		2,030 00									15 74	4 50	20 24	
Sparta	800 00	2,887 50		3,687 50	22 07	8 27	30 34	9 85	8 27	18 12	11 46	8 27	19 73	12 63	8 27	20 90
Spring Lake	700 00	1,332 00		2,032 00	28 32	12 51	40 83	13 63	12 51	26 14	8 95	12 51	21 46	15 28	12 51	27 79
Springport	600 00	1,450 00		2,050 00	38 26	7 87	46 13	11 08	7 87	18 95	11 87	7 87	19 74	20 00	7 87	27 87
Stambaugh	800 00	5,582 25		6,282 25										19 82	8 63	28 45
†Stephenson																
Stevensville	520 00	1,360 00		1,880 00	27 00	4 56	31 56	6 04	4 56	10 60	8 88	4 56	13 44	12 88	4 56	17 44
Stockbridge	700 00	1,436 00		2,136 00	15 00	5 05	20 05	10 00	5 05	15 05	10 00	5 05	15 05	12 57	5 05	17 62
Sunfield	475 00	997 50		1,472 50	18 26	5 10	23 36	9 77	5 10	14 87	8 31	5 10	13 41	13 39	5 10	18 49
Sutton's Bay	500 00	560 00		1,060 00	25 00	4 42	29 42	12 17	4 42	16 59	14 00	4 42	18 42	16 82	4 42	21 24
Tecumseh	1,050 00	5,250 00	400 00	6,700 00	19 98	3 87	23 85	11 16	3 87	15 03	13 30	3 87	17 17	14 50	3 87	18 37
Tekonsha	585 00	1,305 00		1,890 00	28 00	3 94	31 94	13 33	3 94	17 28	7 77	3 94	11 71	13 50	3 94	17 44
Thompsonville	675 00	2,047 60		2,722 60	28 00	4 04	32 04	7 30	4 04	11 34	11 10	4 04	15 14	12 60	4 04	16 64
Three Oaks	850 00	2,205 00	78 00	3,133 00	17 50	2 99	20 54	8 00	2 99	10 99	8 25	2 99	11 24	12 74	2 99	15 73
Trenton	550 00	2,464 80		3,014 18	16 35	10 12	26 47	12 67	10 12	22 79	8 70	10 12	18 82	11 33	10 12	21 45
Tustin	450 00	855 00		1,305 00	26 46	8 83	35 29	7 32	8 83	16 15	5 09	8 83	13 92	10 88	8 83	19 71
Twining																
†Ubly																
Union City	1,200 00	4,434 35		5,634 35	18 75	6 71	25 46	19 27	6 71	25 98	19 97	6 71	26 68	19 48	6 71	26 19
Unionville	600 00	975 00		1,575 00	18 39	6 14	24 53	7 50	6 14	13 64	4 00	6 14	10 14	7 95	6 14	14 09
Utica	800 00	1,400 00		2,200 00	30 80	8 54	39 34	11 28	8 54	19 82	10 14	8 54	18 68	15 38	8 54	23 92
Vandalia	500 00	900 00		1,400 00	18 95	3 84	22 79	8 75	3 84	12 59	8 70	3 84	12 54	13 46	3 84	17 30
†Vanderbilt																
Vassar	1,000 00	3,900 00	400 00	5,300 00	17 47	5 63	23 10	12 63	5 63	18 26	12 81	5 63	18 44	15 82	5 63	21 45
Vermontville	700 00	2,082 50		2,782 50	13 43	4 01	17 44	11 30	4 01	15 31	10 15	4 01	14 16	14 90	4 01	18 91
Vernon	600 00	900 00		1,500 00	21 42	4 22	25 64	9 37	4 22	13 59	7 79	4 22	12 01	12 82	4 22	17 04
Vicksburg	850 00	2,367 00		3,217 00	21 07	4 35	25 42	10 76	4 35	15 11	9 57	4 35	13 92	13 81	4 35	18 16
Wakefield	900 00	6,515 00		7,415 00										39 92	32 58	72 50
Waldron	550 00	540 00		1,090 00	27 50	2 69	30 19	8 18	2 69	10 87	6 75	2 69	9 44	11 72	2 69	14 41
Warren	450 00	270 00		720 00				7 61	85	8 46	5 71	85	6 56	6 86	85	7 71
Watervliet	810 00	2,250 00		3,060 00	30 70	3 77	34 47	19 00	3 77	22 77	6 40	3 77	10 17	12 29	3 77	16 06
Wayland	720 00	1,008 00		1,728 00	8 49	3 24	11 73	10 71	3 24	13 95	9 55	3 24	12 79	9 09	3 24	12 33
Wayne	1,200 00	3,425 00		4,625 00	25 29	5 18	30 47	10 97	5 18	16 15	7 90	5 18	13 08	14 82	5 18	20 00
Webberville	540 00	540 00		1,080 00	18 00	3 03	21 03	7 29	3 03	10 32	5 62	3 03	8 65	10 19	3 03	13 22
†Westphalia																
White Cloud	540 00	945 00		1,485 00	27 00	4 94	31 94	6 05	4 94	10 99	5 72	4 94	10 66	8 16	4 94	13 10
Whitehall	800 00	3,092 75	96 00	3,988 75	19 00	3 62	22 62	9 40	3 62	13 02	8 60	3 62	12 22	11 30	3 62	14 92
White Pigeon	816 00	1,790 00		2,606 00	25 00	12 18	37 18	24 00	12 18	36 18	15 00	12 18	27 18	19 10	12 18	31 28
Williamston	1,000 00	3,400 00	200 00	4,600 00	30 50	11 04	41 54	15 00	11 04	26 04	9 50	11 04	20 54	16 72	11 04	27 76
Wolverine	540 00	1,440 00		1,980 00	17 42	3 31	20 73	10 43	3 31	13 74	7 74	3 31	11 05	10 26	3 31	13 57
Woodland	450 00	630 00		1,080 00	17 30	7 92	25 22	14 31	7 92	22 23	9 00	7 92	16 92	13 01	7 92	20 93
†Woodmere																
Zeeland	800 00	3,040 00	425 00	4,265 00	28 46	3 83	32 29	6 96	3 83	10 79	6 68	3 83	10 51	11 53	3 83	15 36

¶ Report included with Calumet which is not incorporated. † Not legally graded.

TABLE XVIII.—CONCLUDED.

Incorporated villages.	Average number pupils to each teacher.				Number of non-resident pupils.				Rate of tuition per year.			Average age of class		
	High school department.	Grammar department.	Primary department.	Whole school.	High school department.	Grammar department.	Primary department.	Whole school.	High school department.	Grammar department.	Primary department.	Graduated.	Promoted to high school.	Promoted to grammar department.
Shelby	21	36	36	31	13	1	1	15	12 00	12 00	12 00	17.7	13.2	10.6
Shepherd	30	46	46	41	17	....	....	17	12 50	....	....	....	....	....
Sheridan	30	35	50	38	18	3	2	23	10 00	7 50	5 00	....	....	....
Sherman	32	44	79	52	12	....	....	12	9 00	9 00	9 00	16	....	....
Sherwood	14	25	30	23	10	9	2	21	9 00	9 00	9 00	18	14	8
†Sibley	....	....	....	....	....	....	....	....	....	....	....	....	....	....
†South Frankfort	....	....	....	....	....	....	....	....	....	....	....	....	....	....
South Lyon	22	46	21	29	27	4	....	31	12 00	10 50	10 50	18	15	8
Sparta	28	46	37	37	9	....	1	10	20 00	15 00	15 00	18	....	....
Spring Lake	18	27	45	30	....	....	2	2	9 00	6 75	4 50	16	....	....
Springport	12	25	30	22	17	....	....	17	10 00	....	....	17	....	....
Stambaugh	9	21	29	20	....	2	5	7	....	....	....	16	....	....
†Stephenson	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Stevensville	19	46	36	34	12	....	....	12	12 50	7 50	7 50	19	13	9
Stockbridge	24	40	40	35	20	4	4	28	12 50	10 00	7 50	18.3	....	....
Sunfield	18	28	32	26	11	....	....	11	9 50	9 50	9 50	....	....	....
Sutton's Bay	20	23	20	21	1	3	....	4	10 00	7 50	7 50	....	....	....
Tecumseh	24	41	35	33	51	11	....	62	16 67	13 33	11 67	18	13	8
Tekonsha	16	26	52	31	20	....	....	20	4 00	3 50	3 00	16	14	9
Thompsonville	14	40	36	30	....	....	....	....	....	....	....	17	14	11
Three Oaks	33	37	37	36	17	2	1	20	15 00	12 50	10 00	17	13	9
Trenton	4	36	45	38	1	3	....	4	10 00	8 00	6 00	15	13	8
Tustin	14	32	42	29	4	....	....	4	9 00	9 00	9 00	16	....	....
Twining	....	....	....	....	....	....	....	....	....	....	....	....	....	....
†Ubly	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Union City	24	26	25	25	28	14	7	49	15 00	4 00	3 00	18	....	....
Unionville	33	45	75	52	11	....	....	11	10 00	....	....	17.7	....	....
Utica	18	34	38	30	14	....	....	14	13 00	....	....	18	13	9
Vandalia	21	30	31	27	12	....	....	12	9 00	....	....	18	....	....
†Vanderbilt	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Vassar	21	30	32	28	40	....	1	41	12 00	10 00	8 00	17.5	....	....
Vermontville	21	31	30	26	33	....	....	33	13 30	9 50	9 50	19	14	....
Vernon	24	31	31	28	....	....	....	....	10 00	10 00	7 50	17	....	....
Vicksburg	26	33	30	30	38	4	1	43	15 60	14 20	10 00	18	14	9.7
Wakefield	15	25	39	37	....	....	....	....	....	....	....	....	....	....
Waldron	20	33	40	31	3	3	....	6	11 25	11 25	11 25	16	....	....
Warren	....	52	52	52	....	3	....	3	....	....	....	....	....	....
Watervliet	22	38	42	34	15	6	3	24	11 25	9 00	6 75	17	....	....
Wayland	45	39	61	45	42	1	....	43	11 00	9 00	7 00	18	12	8
Wayne	34	36	45	39	32	19	4	55	14 00	10 00	8 00	18.2	14.1	10
Webberville	27	31	48	35	5	....	1	6	9 00	9 00	9 00	16	14.7	9
†Westphalia	....	....	....	....	....	....	....	....	....	....	....	....	....	....
White Cloud	20	52	55	42	5	2	....	7	9 00	9 00	6 75	....	....	....
Whitehall	32	35	37	34	12	1	....	13	9 50	9 50	9 50	17	14	11
White Pigeon	21	18	29	23	16	1	5	22	15 00	12 00	9 00	18	14	10
Williamston	20	43	40	34	40	9	4	53	14 00	10 00	8 00	19	13.5	11
Wolverine	31	34	46	37	6	4	1	11	18 00	11 25	11 25	....	....	....
Woodland	26	22	35	28	17	5	2	24	10 80	10 80	7 20	16	12	9
†Woodmere	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Zeeland	20	45	49	41	....	....	....	....	10 00	6 00	6 00	16	....	....

† Not legally graded.

TABLE XVIII.—CONCLUDED.

Number of graduates.	Number of U. S. flags.	Has school kindergarten below primary grade?	Portion of time in first primary devoted to kindergarten work.	Number of grades in the school.	Number of pupils studying—				Does school give special instruction in—					Has school a commercial course?	Is the compulsory attendance law enforced?	Has school an ungraded department?	Has school a day school for the deaf?
					Latin.	Greek.	French.	German.	Vocal music?	Drawing?	Penmanship?	Manual training?	Domestic science?				
3	1	Yes	.....	12	15	....	....	.....	No	No	No	No	No	No	Yes	No	No
....	1	No	1-5	11	.....	....	....	.....	No	No	Yes	No	No	No	Yes	No	No
....	1	No	.....	11	.....	....	....	.....	No	No	Yes	No	No	No	No	No	No
4	1	No	1-2	11	.....	....	....	.....	No	Yes	Yes	No	No	Yes	Yes	No	No
4	1	No	1-5	12	10	....	....	.....	No	No	Yes	No	No	No	No	No	No
....	....	.....	.....	.....	.....	....	....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
4	1	No	2-5	12	30	....	....	.....	Yes	No	No	No	No	No	No	No	No
13	1	Yes	1-2	13	4	....	....	17	No	Yes	Yes	No	No	No	Yes	No	No
6	1	No	1-3	10	.....	....	....	.....	No	No	Yes	No	No	No	Yes	No	No
10	1	Yes	.....	12	18	....	....	.....	Yes	No	No	No	No	No	Yes	No	No
3	2	Yes	1-2	11	.....	....	....	.....	No	Yes	Yes	No	No	Yes	Yes	No	No
3	1	Yes	.....	12	10	....	....	.....	Yes	No	No	No	No	No	Yes	No	No
3	1	Yes	.....	12	.....	....	....	.....	No	No	No	No	No	Yes	Yes	No	No
....	1	No	1-3	12	3	....	....	.....	No	No	Yes	No	No	No	Yes	No	No
2	1	No	1-2	12	.....	....	....	.....	No	Yes	Yes	No	No	No	No	No	No
13	2	No	1-4	12	61	....	....	30	Yes	Yes	Yes	No	No	No	Yes	No	No
....	1	No	.....	12	15	....	....	.....	No	No	Yes	No	No	No	No	No	No
....	1	No	1-5	12	3	....	....	.....	No	No	No	No	No	No	Yes	No	No
12	2	No	1-4	12	31	....	....	21	Yes	No	No	No	No	No	Yes	No	No
....	1	Yes	1-2	10	.....	....	....	.....	No	No	No	No	No	No	Yes	No	No
4	1	No	2-5	12	.....	....	....	.....	No	Yes	Yes	No	No	No	No	No	No
....	....	.....	.....	.....	.....	....	....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
14	1	Yes	.....	12	25	....	3	20	Yes	No	No	No	No	No	Yes	No	No
4	1	No	1-10	12	.....	....	....	.....	No	Yes	Yes	No	No	Yes	Yes	No	No
5	1	No	.....	12	30	....	....	.....	No	No	No	No	No	No	No	No	No
6	1	No	.....	12	6	....	....	.....	No	No	Yes	No	No	No	No	No	No
....	....	.....	.....	.....	.....	....	....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
14	3	No	1-4	12	38	....	....	14	Yes	No	No	No	No	Yes	No	No	No
9	1	Yes	1-4	12	33	....	....	15	No	No	No	No	No	No	Yes	No	No
5	1	No	.....	12	10	....	....	.....	No	No	No	No	No	No	Yes	No	No
9	....	Yes	3-10	12	40	....	....	24	Yes	No	No	No	No	No	Yes	No	No
5	6	Yes	.....	10	.....	....	....	.....	Yes	No	Yes	No	No	Yes	Yes	No	No
7	2	No	.....	10	.....	....	....	.....	No	No	Yes	No	No	No	Yes	No	No
....	1	No	.....	9	.....	....	....	.....	No	No	No	No	No	No	Yes	No	No
6	1	No	1-10	12	12	....	....	.....	No	No	No	No	No	No	No	No	No
6	1	No	1-5	11	.....	....	....	.....	No	No	No	No	No	No	Yes	No	No
12	1	No	1-8	12	34	....	....	15	No	Yes	Yes	No	No	No	No	No	No
6	1	No	1-2	10	.....	....	....	.....	No	No	No	No	No	Yes	Yes	No	No
....	1	No	1-5	10	.....	....	....	.....	No	No	No	No	No	Yes	No	No	No
4	1	No	1-4	12	.....	....	....	.....	Yes	No	No	No	No	Yes	Yes	No	No
7	1	No	.....	12	18	....	....	12	No	No	No	No	No	Yes	Yes	No	No
14	....	No	1-10	12	14	....	....	12	Yes	No	Yes	No	No	No	No	No	No
....	1	No	1-5	11	8	....	....	.....	No	No	No	No	No	No	No	No	No
16	1	No	1-10	10	.....	....	....	.....	No	No	No	No	No	No	Yes	No	No
8	1	Yes	1-2	11	.....	....	....	.....	Yes	Yes	No	No	No	Yes	Yes	No	No

TABLE XVIII.—CONTINUED.

Incorporated villages.	Average number pupils to each teacher.				Number of non-resident pupils.				Rate of tuition per year.			Average age of class		
	High school department.	Grammar department.	Primary department.	Whole school.	High school department.	Grammar department.	Primary department.	Whole school.	High school department.	Grammar department.	Primary department.	Graduated.	Promoted to high school.	Promoted to grammar department.
Oakley	.....	27	34	30	....	2	1	3	.....	4 00	4 00	.....	13	.....
Olivet	32	30	34	32	31	6	2	39	12 00	10 00	10 00	17	14	10
Onekama	34	38	48	40	2	....	....	2	7 50	5 00	5 00	17	14	10
Ontonagon	29	41	28	33	13	5	....	18	9 00	4 50	4 50	18	.....	.....
Orion	17	27	34	26	14	4	1	19	10 00	8 00	8 00	18	14	10
Ortonville	35	30	38	34	22	6	1	29	10 00	10 00	7 50	18	16	10
Oscoda	16	40	57	41	....	....	....	....	6 00	6 00	6 00	17	14	10
Otisville	44	40	61	48	23	2	4	29	10 00	8 00	6 00	18	13.2	9.1
Otsego	21	40	32	31	22	1	....	23	13 00	10 50	10 50	18	14	10
Otter Lake	.....	30	30	30	....	12	....	12	.....	6 00	6 00	.....	16	.....
Ovid	28	33	35	32	24	6	....	30	15 00	12 00	10 00	18.5	14.2	10.7
Owendale	.....	.....	63	63	.....	.....	.....	.....	.....	.....	.....	.....	15	.....
Oxford	20	20	42	27	22	.....	.....	22	12 00	.....	.....	18	.....	.....
Parma	20	24	59	41	16	1	1	18	12 00	10 50	7 50	16.5	13	8
Paw Paw	29	44	47	39	56	13	3	72	13 00	12 00	10 00	18.7	14	10
†Peck	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Pentwater	16	47	44	37	2	1	4	7	9 00	6 00	3 00	18	12.5	8
†Perrinton	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Perry	13	20	38	24	16	8	3	27	10 00	10 00	7 50	18	14	.....
Petersburg	16	34	42	30	13	2	1	16	13 50	9 00	6 75	16	15	10
Pewamo	36	32	38	35	9	2	1	12	9 00	9 00	9 00	18	13	9
Pierson	7	54	35	47	....	....	....	....	6 00	6 00	6 00	16	.....	.....
Pigeon	34	63	68	55	16	....	....	16	10 00	.....	.....	17	.....	.....
Pinckney	17	23	52	31	13	....	....	13	15 00	12 50	10 00	17	14	9
Pinconning	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Plainwell	22	24	46	30	39	4	1	44	15 00	12 00	9 00	18	13	10
Plymouth	22	40	47	36	30	5	....	35	14 00	11 00	8 00	17.7	14.6	11
Port Austin	15	35	67	39	....	4	15	19	.....	5 00	3 50	17	.....	.....
Port Hope	26	26	22	25	4	....	....	4	10 00	5 00	3 50	.....	.....	.....
Portland	18	26	41	30	30	3	7	40	15 20	11 40	11 40	18	14	10
Port Sanilac	34	29	41	34	7	....	....	7	7 20	7 20	7 20	16	.....	.....
Potterville	38	34	37	36	8	2	....	10	3 40	3 40	2 00	15	.....	.....
Quincy	18	57	43	39	31	1	1	33	14 00	10 00	7 50	18	14	9
Reading	26	34	48	40	46	8	1	55	14 25	14 25	11 38	19	14	10
¶Red Jacket	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Reed City	24	37	41	34	17	8	2	27	15 00	15 00	10 00	17.5	.....	.....
†Reese	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Richland	20	19	28	22	13	....	....	13	14 00	9 00	9 00	.....	.....	.....
Richmond	13	26	31	23	21	5	....	26	13 50	11 25	9 00	17	14	10
River Rouge	11	34	42	29	....	1	....	1	.....	.....	.....	15	13	10
Rochester	21	45	42	37	15	10	2	27	13 00	10 00	8 00	17	13.2	11
Rockford	16	29	32	26	19	15	4	38	14 00	12 00	10 00	17	13	9
Rogers	24	35	38	32	....	....	....	....	.....	.....	.....	14	.....	.....
Romeo	18	32	37	29	23	4	....	27	16 00	14 00	8 00	18	15.5	10.3
Roscommon	24	30	45	33	3	....	....	3	5 00	5 00	5 00	15	.....	.....
Royal Oak	15	43	43	34	16	5	5	26	12 00	9 00	9 00	19	15	10
St. Charles	19	49	81	49	2	....	....	2	10 00	10 00	10 00	17	.....	.....
†St. Clair Heights	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Saline	15	34	34	28	17	9	1	27	16 00	13 00	10 00	17	13.5	9
Sand Lake	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Saranac	27	31	38	32	15	17	3	35	13 00	10 00	10 00	18	13.7	9.5
Saugatuck	.....	.....	.....	32	26	.....	.....	26	12 00	12 00	12 00	.....	.....	.....
Schoolcraft	18	34	41	31	14	8	4	26	18 00	14 40	10 80	18	14	10
Scottville	28	26	26	27	20	....	....	20	11 75	11 75	11 75	18	14	11
Sebewaing	28	43	41	37	5	3	....	8	5 00	5 00	5 00	17	14	11

† Not legally graded.
¶ Report included with Calumet which is not incorporated.

TABLE XVIII.—CONTINUED.

Number of graduates.	Number of U. S. flags.	Has school kindergarten below primary grade?	Portion of time in first primary devoted to kindergarten work.	Number of grades in the school.	Number of pupils studying—				Does school give special instruction in—					Has school a commercial course?	Is the compulsory attendance law enforced?	Has school an ungraded department?	Has school a day school for the deaf?
					Latin.	Greek.	French.	German.	Vocal music?	Drawing?	Penmanship?	Manual training?	Domestic science?				
3	1	No	.....	9	.....	....	....	.....	No	No	No	No	No	No	Yes	No	No
13	....	No	1-10	12	19	....	....	17	Yes	No	No	No	No	No	Yes	No	No
4	1	No	.....	12	.....	....	....	6	No	No	Yes	No	No	No	No	No	No
17	1	No	.....	12	.....	....	....	17	Yes	Yes	Yes	No	No	No	Yes	No	No
7	1	No	1-3	12	.....	....	....	10	No	No	No	No	No	No	No	No	No
3	1	No	.....	12	.....	....	....	.....	No	No	No	No	No	No	No	No	No
5	2	Yes	1-2	11	.....	....	....	.....	No	No	No	No	No	No	No	No	No
6	1	No	.....	10	.....	....	....	.....	No	No	No	No	No	No	No	No	No
10	1	No	1-3	12	22	....	....	21	Yes	Yes	No	No	No	Yes	Yes	No	No
6	1	No	.....	10	.....	....	....	.....	No	No	No	No	No	No	No	No	No
14	1	No	1-2	12	40	....	....	25	Yes	No	No	No	No	No	Yes	No	No
1	1	No	.....	8	.....	....	....	.....	No	No	Yes	No	No	No	No	No	No
11	....	No	.....	12	58	....	....	24	Yes	Yes	Yes	No	No	No	No	No	No
10	1	No	.....	12	.....	....	....	.....	Yes	No	Yes	No	No	No	No	No	No
14	1	No	1-3	12	40	....	....	25	No	No	No	No	No	Yes	No	No	No
6	1	Yes	.....	12	.....	....	....	.....	No	Yes	No	No	No	No	Yes	No	No
5	1	Yes	1-8	12	6	....	....	.....	No	No	No	No	No	No	Yes	No	No
3	1	Yes	.....	12	16	....	....	13	No	No	No	No	No	No	No	No	No
7	1	No	1-4	11	.....	....	....	.....	No	No	No	No	No	No	No	No	No
4	1	No	.....	10	.....	....	....	.....	No	No	Yes	No	No	No	Yes	No	No
2	1	No	.....	....	.....	....	....	.....	No	No	No	No	No	No	No	No	No
5	1	No	1-2	12	.....	....	....	.....	No	No	Yes	No	No	Yes	Yes	No	No
13	3	Yes	1-3	12	30	....	....	15	Yes	No	Yes	No	No	Yes	Yes	No	No
15	1	Yes	.....	12	33	....	....	21	No	No	No	No	No	No	No	No	No
2	1	No	.....	12	.....	....	....	.....	No	No	No	No	No	No	No	No	No
6	1	No	1-5	10	.....	....	....	.....	No	No	No	No	No	No	Yes	No	No
9	2	No	1-3	12	32	....	....	20	Yes	Yes	No	No	No	Yes	Yes	No	No
6	1	No	.....	11	.....	....	....	.....	No	No	No	No	No	No	Yes	No	No
....	....	No	1-6	10	8	....	....	.....	No	No	No	No	No	No	No	No	No
13	1	No	1-4	12	22	....	....	18	No	No	Yes	No	No	No	No	No	No
11	1	No	1-25	12	25	....	....	15	No	No	No	No	No	No	Yes	No	No
12	3	Yes	.....	12	69	....	....	17	No	No	Yes	No	No	No	Yes	No	No
10	1	No	.....	12	7	....	....	5	No	Yes	Yes	No	No	No	Yes	No	No
4	2	No	1-10	12	14	....	....	.....	No	No	No	No	No	No	Yes	No	No
....	2	Yes	1-2	10	.....	....	....	.....	No	Yes	Yes	No	No	No	Yes	No	No
9	1	Yes	1-2	12	9	....	....	3	No	No	No	No	No	No	Yes	No	No
7	1	No	1-5	12	28	....	....	.....	No	No	No	No	No	Yes	Yes	No	No
4	2	No	1-5	10	.....	....	....	.....	No	No	No	No	No	No	Yes	No	No
12	3	No	1-3	12	12	4	....	28	No	Yes	No	No	No	Yes	No	No	No
....	1	No	1-2	10	.....	....	....	.....	No	No	Yes	No	No	No	No	No	No
3	1	No	.....	12	17	....	....	.....	No	No	Yes	No	No	No	No	No	No
3	1	Yes	.....	12	6	....	....	.....	No	No	No	No	No	No	No	No	No
8	1	Yes	1-3	12	30	....	....	15	No	No	No	No	No	No	Yes	No	No
4	....	No	1-4	12	11	....	....	.....	No	No	No	No	No	No	No	No	No
23	....	No	.....	11	36	....	....	25	No	No	No	No	No	Yes	Yes	Yes	No
3	1	Yes	1-3	12	15	....	....	8	No	No	Yes	No	No	No	Yes	No	No
2	1	Yes	.....	12	24	....	....	10	Yes	Yes	Yes	No	No	Yes	Yes	No	No
3	2	No	1-3	11	.....	....	....	.....	No	No	No	No	No	No	No	No	No

TABLE XVIII.—CONCLUDED.

Incorporated villages.	Average number pupils to each teacher.				Number of non-resident pupils.				Rate of tuition per year.			Average age of class		
	High school department.	Grammar department.	Primary department.	Whole school.	High school department.	Grammar department.	Primary department.	Whole school.	High school department.	Grammar department.	Primary department.	Graduated.	Promoted to high school.	Promoted to grammar department.
Shelby	21	36	36	31	13	1	1	15	12 00	12 00	12 00	17.7	13.2	10.6
Shepherd	30	46	46	41	17	....	....	17	12 50	....	....	.....	.....	.....
Sheridan	30	35	50	38	18	3	2	28	10 00	7 50	5 00	.....	.....	.....
Sherman	32	44	79	52	12	....	....	12	9 00	9 00	9 00	16	.....	.....
Sherwood	14	25	30	23	10	9	2	21	9 00	9 00	9 00	18	14	8
†Sibley	.....	.....	.....	.....	....	....	....	....	.....	.....	.....	.....	.....	.....
†South Frankfort	.....	.....	.....	.....	....	....	....	....	.....	.....	.....	.....	.....	.....
South Lyon	22	46	21	29	27	4	....	31	12 00	10 50	10 50	18	15	8
Sparta	28	46	37	37	9	....	1	10	20 00	15 00	15 00	18	.....	.....
Spring Lake	18	27	45	30	....	....	2	2	9 00	6 75	4 50	16	.....	.....
Springport	12	25	30	22	17	....	....	17	10 00	.....	.....	17	.....	.....
Stambaugh	9	21	29	20	....	2	5	7	.....	.....	.....	16	.....	.....
†Stephenson	.....	.....	.....	.....	....	....	....	....	.....	.....	.....	.....	.....	.....
Stevensville	19	46	36	34	12	....	....	12	12 50	7 50	7 50	19	13	9
Stockbridge	24	40	40	35	20	4	4	28	12 50	10 00	7 50	18.3	.....	.....
Sunfield	18	28	32	26	11	....	....	11	9 50	9 50	9 50	.....	.....	.....
Sutton's Bay	20	23	20	21	1	3	....	4	10 00	7 50	7 50	.....	.....	.....
Tecumseh	24	41	35	33	51	11	....	62	16 67	13 33	11 67	18	13	8
Tekonsha	16	26	52	31	20	....	....	20	4 00	3 50	3 00	16	14	9
Thompsonville	14	40	36	30	....	....	....	....	.....	.....	.....	17	14	11
Three Oaks	33	37	37	36	17	2	1	20	15 00	12 50	10 00	17	13	9
Trenton	4	36	45	38	1	3	....	4	10 00	8 00	6 00	15	13	8
Tustin	14	32	42	29	4	....	....	4	9 00	9 00	9 00	16	.....	.....
Twining	.....	.....	.....	.....	....	....	....	....	.....	.....	.....	.....	.....	.....
†Ubly	.....	.....	.....	.....	....	....	....	....	.....	.....	.....	.....	.....	.....
Union City	24	26	25	25	28	14	7	49	15 00	4 00	3 00	18	.....	.....
Unionville	33	45	75	52	11	....	....	11	10 00	.....	.....	17.7	.....	.....
Utica	18	34	38	30	14	....	....	14	13 00	.....	.....	18	13	9
Vandalia	21	30	31	27	12	....	....	12	9 00	.....	.....	18	.....	.....
†Vanderbilt	.....	.....	.....	.....	....	....	....	....	.....	.....	.....	.....	.....	.....
Vassar	21	30	32	28	40	....	1	41	12 00	10 00	8 00	17.5	.....	.....
Vermontville	21	31	30	26	33	....	....	33	13 30	9 50	9 50	19	14	.....
Vernon	24	31	31	28	....	....	....	....	10 00	10 00	7 50	17	.....	.....
Vicksburg	26	33	30	30	38	4	1	43	15 60	14 20	10 00	18	14	9.7
Wakefield	15	25	39	37	....	....	....	....	.....	.....	.....	.....	.....	.....
Waldron	20	33	40	31	3	3	....	6	11 25	11 25	11 25	16	.....	.....
Warren	.....	52	52	52	....	3	....	3	.....	.....	.....	.....	.....	.....
Watervliet	22	38	42	34	15	6	3	24	11 25	9 00	6 75	17	.....	.....
Wayland	45	39	61	45	42	1	....	43	11 00	9 00	7 00	18	12	8
Wayne	34	36	45	39	32	19	4	55	14 00	10 00	8 00	18.2	14.1	10
Webberville	27	31	48	35	5	....	1	6	9 00	9 00	9 00	16	14.7	9
†Westphalia	.....	.....	.....	.....	....	....	....	....	.....	.....	.....	.....	.....	.....
White Cloud	20	52	55	42	5	2	....	7	9 00	9 00	6 75	.....	.....	.....
Whitehall	32	35	37	34	12	1	....	13	9 50	9 50	9 50	17	14	11
White Pigeon	21	18	29	23	16	1	5	22	15 00	12 00	9 00	18	14	10
Williamston	20	43	40	34	40	9	4	53	14 00	10 00	8 00	19	13.5	11
Wolverine	31	34	46	37	6	4	1	11	18 00	11 25	11 25	.....	.....	.....
Woodland	26	22	35	28	17	5	2	24	10 80	10 80	7 20	16	12	9
†Woodmere	.....	.....	.....	.....	....	....	....	....	.....	.....	.....	.....	.....	.....
Zeeland	20	45	49	41	....	....	....	....	10 00	6 00	6 00	16	.....	.....

† Not legally graded.

TABLE XVIII.—CONCLUDED.

Number of graduates.	Number of U. S. flags.	Has school kindergarten below primary grade?	Portion of time in first primary devoted to kindergarten work.	Number of grades in the school.	Number of pupils studying—				Does school give special instruction in—					Has school a commercial course?	Is the compulsory attendance law enforced?	Has school an ungraded department?	Has school a day school for the deaf?
					Latin.	Greek.	French.	German.	Vocal music?	Drawing?	Penmanship?	Manual training?	Domestic science?				
3	1	Yes	.....	12	15	....	....	.....	No	No	No	No	No	No	Yes	No	No
....	1	No	1-5	11	.....	....	....	.....	No	No	Yes	No	No	No	Yes	No	No
....	1	No	.....	11	.....	....	....	.....	No	No	Yes	No	No	No	No	No	No
4	1	No	1-2	11	.....	....	....	.....	No	Yes	Yes	No	No	Yes	Yes	No	No
4	1	No	1-5	12	10	....	....	.....	No	No	Yes	No	No	No	No	No	No
....	....	.....	.....	.....	.....	....	....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
4	1	No	2-5	12	30	....	....	.....	Yes	No	No	No	No	No	No	No	No
13	1	Yes	1-2	13	4	....	....	17	No	Yes	Yes	No	No	No	Yes	No	No
6	1	No	1-3	10	.....	....	....	.....	No	No	Yes	No	No	No	Yes	No	No
10	1	Yes	.....	12	18	....	....	.....	Yes	No	No	No	No	No	Yes	No	No
3	2	Yes	1-2	11	.....	....	....	.....	No	Yes	Yes	No	No	Yes	Yes	No	No
3	1	Yes	.....	12	10	....	....	.....	Yes	No	No	No	No	No	Yes	No	No
3	1	Yes	.....	12	.....	....	....	.....	No	No	No	No	No	Yes	Yes	No	No
....	1	No	1-3	12	3	....	....	.....	No	No	Yes	No	No	No	Yes	No	No
2	1	No	1-2	12	.....	....	....	.....	No	Yes	Yes	No	No	No	No	No	No
13	2	No	1-4	12	61	....	....	30	Yes	Yes	Yes	No	No	No	Yes	No	No
....	1	No	.....	12	15	....	....	.....	No	No	Yes	No	No	No	No	No	No
....	1	No	1-5	12	3	....	....	.....	No	No	No	No	No	No	Yes	No	No
12	2	No	1-4	12	31	....	....	21	Yes	No	No	No	No	No	Yes	No	No
....	1	Yes	1-2	10	.....	....	....	.....	No	No	No	No	No	No	Yes	No	No
4	1	No	2-5	12	.....	....	....	.....	No	Yes	Yes	No	No	No	No	No	No
....	....	.....	.....	.....	.....	....	....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
14	1	Yes	.....	12	25	....	3	20	Yes	No	No	No	No	No	Yes	No	No
4	1	No	1-10	12	.....	....	....	.....	No	Yes	Yes	No	No	Yes	Yes	No	No
5	1	No	.....	12	30	....	....	.....	No	No	No	No	No	No	No	No	No
6	1	No	.....	12	6	....	....	.....	No	No	Yes	No	No	No	No	No	No
....	....	.....	.....	.....	.....	....	....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
14	3	No	1-4	12	38	....	....	14	Yes	No	No	No	No	Yes	No	No	No
9	1	Yes	1-4	12	33	....	....	15	No	No	No	No	No	No	Yes	No	No
5	1	No	.....	12	10	....	....	.....	No	No	No	No	No	No	Yes	No	No
9	....	Yes	3-10	12	40	....	....	24	Yes	No	No	No	No	No	Yes	No	No
5	6	Yes	.....	10	.....	....	....	.....	Yes	No	Yes	No	No	Yes	Yes	No	No
7	2	No	.....	10	.....	....	....	.....	No	No	Yes	No	No	No	Yes	No	No
....	1	No	.....	9	.....	....	....	.....	No	No	No	No	No	No	Yes	No	No
6	1	No	1-10	12	12	....	....	.....	No	No	No	No	No	No	No	No	No
6	1	No	1-5	11	.....	....	....	.....	No	No	No	No	No	No	Yes	No	No
12	1	No	1-8	12	34	....	....	15	No	Yes	Yes	No	No	No	No	No	No
6	1	No	1-2	10	.....	....	....	.....	No	No	No	No	No	Yes	Yes	No	No
....	1	No	1-5	10	.....	....	....	.....	No	No	No	No	No	Yes	No	No	No
4	1	No	1-4	12	.....	....	....	.....	Yes	No	No	No	No	Yes	Yes	No	No
7	1	No	.....	12	18	....	....	12	No	No	No	No	No	Yes	Yes	No	No
14	....	No	1-10	12	14	....	....	12	Yes	No	Yes	No	No	No	No	No	No
....	1	No	1-5	11	8	....	....	.....	No	No	No	No	No	No	No	No	No
16	1	No	1-10	10	.....	....	....	.....	No	No	No	No	No	No	Yes	No	No
8	1	Yes	1-2	11	.....	....	....	.....	Yes	Yes	No	No	No	Yes	Yes	No	No

TABLE XIX.

Financial statistics of city schools as reported by superintendents for the year 1904-1905.

Incorporated cities.	Amount paid superintendent.	Amount paid regular teachers.	Amount paid special teachers.	Total amount paid for instruction.	Cost of education per capita in—											
					High school.			Grammar department.			Primary department.			Whole school.		
					Instruction.	Incidentals.	Total.	Instruction.	Incidentals.	Total.	Instruction.	Incidentals.	Total.	Instruction.	Incidentals.	Total.
Adrian	$1,600 00	$20,780 50	$1,350 00	$23,730 50	$33 46	$14 75	$48 21	$15 77	$14 75	$30 52	$12 22	$14 75	$26 97	$16 59	$14 75	$31 34
Albion	1,600 00	11,249 85	1,035 50	13,885 35	.....	.....	.....	.....	.....	.....	.....	.....	.....	15 79	7 47	23 26
Alma	1,200 00	5,289 47	425 00	6,914 47	31 25	19 79	51 04	10 87	19 79	30 66	11 45	19 79	31 24	15 36	19 79	35 15
Alpena	1,500 00	21,423 00	.....	22,923 00	.....	.....	.....	.....	.....	.....	.....	.....	.....	12 85	4 18	17 03
Ann Arbor	2,400 00	42,315 40	3,150 00	47,865 40	41 43	10 57	52 00	16 07	10 57	26 64	16 07	10 57	26 64	21 90	10 57	32 47
Au Gres	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Au Sable	700 00	2,686 10	.....	3,386 10	.....	.....	.....	.....	.....	.....	.....	.....	.....	10 48	4 80	15 28
Bad Axe	800 00	3,850 00	.....	4,650 00	22 73	6 84	29 57	11 02	6 84	17 86	12 15	6 84	18 99	13 80	6 84	20 64
Battle Creek	2,200 00	48,050 00	3,650 00	53,900 00	31 19	10 69	41 88	13 68	10 69	24 37	10 90	10 69	21 59	17 18	10 69	27 87
Bay City	2,400 00	59,515 04	3,525 00	65,440 04	37 50	6 93	44 43	16 69	6 93	23 62	13 40	6 93	20 33	17 20	6 93	24 13
Beaverton	650 00	2,320 00	.....	2,970 00	23 50	2 21	25 71	17 30	2 21	19 51	6 77	2 21	8 98	11 39	2 21	13 60
Belding	1,200 00	6,012 50	495 00	7,707 50	22 76	7 24	30 00	14 26	7 24	21 50	10 24	7 24	17 48	13 40	7 24	20 64
Benton Harbor	1,600 00	14,217 50	450 00	16,267 50	25 95	6 30	32 25	12 79	6 30	19 09	11 70	6 30	18 00	11 22	6 30	17 52
Bessemer	1,500 00	14,770 00	.....	16,270 00	37 81	11 55	49 36	20 21	11 55	31 76	13 24	11 55	24 79	18 53	11 55	30 08
Big Rapids	1,500 00	9,934 77	500 00	11,934 77	20 15	5 03	25 18	14 74	5 03	19 77	15 00	5 03	20 03	15 81	5 03	20 84
Cadillac	1,250 00	15,639 82	350 00	17,239 82	.....	.....	.....	.....	.....	.....	.....	.....	.....	12 27	4 44	16 71
Charlevoix	1,000 00	6,707 87	877 30	8,585 17	24 40	66	25 06	16 11	66	16 77	13 86	66	14 52	16 32	66	16 98
Charlotte	1,500 00	10,696 50	635 00	12,831 50	20 67	6 05	26 72	15 26	6 05	21 31	14 27	6 05	20 32	14 18	6 05	20 23
Cheboygan	1,200 00	10,839 50	600 00	12,639 50	24 45	7 34	31 79	12 91	7 34	20 25	9 37	7 34	16 71	11 93	7 34	19 27
Clare	800 00	3,531 25	.....	4,331 25	.....	.....	.....	.....	.....	.....	.....	.....	.....	12 17	2 90	15 07
Coldwater	1,400 00	13,025 70	.....	14,425 70	.....	.....	.....	.....	.....	.....	.....	.....	.....	14 76	6 03	20 79
Coleman	750 00	2,700 00	.....	3,450 00	34 00	7 19	41 19	8 35	7 19	15 54	5 86	7 19	13 05	10 18	7 19	17 37
Corunna	1,200 00	4,000 00	280 00	5,480 00	21 44	6 49	27 93	22 53	6 49	29 02	12 60	6 49	19 09	16 82	6 49	23 31
Croswell	800 00	2,333 40	.....	3,133 40	20 65	3 97	24 62	7 85	3 97	11 82	6 90	3 97	10 87	11 56	3 97	15 53
Crystal Falls	1,550 00	11,529 25	600 00	13,679 25	.....	.....	.....	.....	.....	.....	.....	.....	.....	16 84	16 01	32 85
Detroit	4,000 00	790,184 58	9,000 00	803,184 58	50 96	7 25	58 26	24 68	7 25	31 93	16 62	7 25	23 87	22 48	7 25	29 73
Dowagiac	1,500 00	10,221 25	450 00	12,171 25	23 36	6 36	29 72	14 24	6 36	20 60	11 67	6 36	18 03	13 95	6 36	20 31
East Tawas	850 05	3,245 00	.....	4,095 05	.....	.....	.....	.....	.....	.....	.....	.....	.....	8 94	8 83	17 77
Eaton Rapids	900 00	4,987 40	400 00	6,287 40	.....	.....	.....	.....	.....	.....	.....	.....	.....	16 50	3 63	20 13
Escanaba	2,000 00	23,898 13	1,653 15	27,551 28	32 82	2 65	35 47	13 18	2 65	15 83	12 45	2 65	15 10	14 65	2 65	17 30

Flint	1,600 00	33,271 87	1,550 00	36,421 87										16 16	9 94	26 10
Gladstone	1,100 00	9,000 00		10,100 00	27 00	5 75	32 75	11 70	5 75	17 45	11 45	5 75	17 20	14 13	5 75	19 88
Gladwin	650 00	1,400 00		2,050 00										16 92	18 64	35 56
Grand Haven	1,450 00	11,565 50	225 00	13,240 50										13 29	8 17	21 46
Grand Ledge, 9 fr	850 00	3,331 00	150 00	4,331 00	34 32	6 76	41 08	11 00	6 76	17 76	10 31	6 76	17 07	16 79	6 76	23 55
Grand Ledge, 11 fr	650 00	1,475 00		2,125 00				18 92	4 99	23 91	6 36	4 99	11 35	11 30	4 99	16 29
Grand Rapids	3,500 00	276,913 50	5,000 00	285,413 50	36 39	10 12	46 51	24 44	10 12	34 56	20 06	10 12	30 18	22 12	10 12	32 24
Greenville	1,200 00	9,100 00	950 00	11,250 00	26 49	3 96	30 45	10 47	3 96	14 43	12 17	3 96	16 13	15 50	3 96	19 46
Hancock	1,750 00	12,950 00		14,700 00	39 71	8 69	48 40	12 47	8 69	21 16	9 78	8 69	18 47	15 61	8 69	24 30
Harrison	550 00	990 00		1,540 00	28 14	4 62	32 76	10 75	4 62	15 37	21 07	4 62	25 69	11 84	4 62	16 46
Harrisville	540 00	1,080 00		1,620 00	19 00	2 83	21 83	12 00	2 83	14 83	9 00	2 83	11 83	11 25	2 83	14 08
Hastings	1,100 00	9,805 15	850 00	11,755 15	32 89	18 02	50 91	17 47	18 02	35 49	15 25	18 02	33 27	19 82	18 02	37 84
Hillsdale	1,350 00	8,897 70	1,135 00	11,382 70	19 08	9 53	28 61	11 33	9 53	20 86	10 77	9 53	20 30	14 50	9 53	24 03
Holland	1,540 00	15,690 38	900 00	18,130 38										12 07	7 26	19 33
Hudson	1,150 00	5,410 00		6,560 00										15 69	7 08	22 77
Ionia	1,440 00	13,588 51	915 40	15,943 91	34 59	6 13	40 72	21 03	6 13	27 16	15 96	6 13	22 09	21 63	6 13	27 76
Iron Mountain	2,500 00	34,642 45	716 00	37,858 45	38 28	5 46	43 74	18 40	5 46	23 86	13 55	5 46	19 01	16 26	5 46	21 72
Ironwood	2,500 00	30,214 39	1,500 00	34,214 39										15 25	7 69	22 94
Ishpeming	3,000 00	40,215 63	4,150 00	47,365 63										16 85	6 22	23 07
Jackson	2,500 00	54,018 76	1,650 00	58,168 76	34 17	8 43	42 60	19 57	8 43	28 00	15 89	8 43	24 32	18 13	8 43	26 56
Kalamazoo	2,300 00	54,990 10	12,805 09	70,095 19	35 15	8 57	43 72	15 38	8 57	23 95	9 87	8 57	18 44	16 33	8 57	24 90
Lansing	1,900 00	44,258 00	1,200 00	47,358 00	24 17	6 67	30 84	14 22	6 67	20 89	14 23	6 67	20 90	17 38	6 67	24 05
Lapeer	1,150 00	7,400 00	600 00	9,150 00	26 09	7 56	33 65	12 11	7 56	19 67	13 74	7 56	21 30	15 83	7 56	23 39
Ludington	1,500 00	19,810 00	1,370 00	22,680 00										15 32	5 51	20 83
Mackinac Island	900 00	1,575 00		2,475 00										17 70	12 42	30 12
Manistee	1,900 00	32,980 42	1,250 00	36,130 42	34 59	7 44	43 03	15 71	7 44	23 15	14 81	7 44	22 25	17 49	7 44	24 93
Manistique	1,500 00	13,001 00	1,100 00	15,601 00										18 38	17 15	35 53
Marine City	1,100 00	6,019 20	400 00	7,519 20										11 84	10 21	22 05
Marquette	1,600 00	24,241 25	5,245 00	31,086 25										20 26	10 51	30 77
Marshall	1,500 00	9,979 50	800 00	12,279 50										18 22	6 44	24 66
Mason	1,150 00	5,405 00		6,655 00	28 04	4 92	32 96	15 25	4 92	20 17	9 03	4 92	13 95	18 85	4 92	23 77
Menominee	1,900 00	27,270 72	1,997 50	31,168 22	27 47	7 91	35 38	10 58	7 91	18 49	11 01	7 91	18 92	13 81	7 91	21 72
Midland	1,100 00	6,125 00	1,200 00	8,425 00	27 71	6 38	34 09	11 98	6 38	18 36	11 04	6 38	17 42	15 84	6 38	22 22
Monroe	1,200 00	8,665 37	900 00	10,765 37	45 43	8 63	54 06	12 85	8 63	21 48	10 97	8 63	19 60	16 43	8 63	25 06
Mt. Cemens	1,500 00	15,750 50	600 00	17,800 50										15 39	5 96	21 35
Mt. Pleasant	1,300 00	6,925 00	437 50	8,662 50	24 26	14 75	39 01	17 15	14 75	31 90	15 98	14 75	30 73	19 23	14 75	33 98
Muskegon	2,500 00	53,068 06	2,700 00	58,268 06	30 74	8 82	39 56	14 86	8 82	23 68	13 28	8 82	22 10	17 06	8 82	25 88
Muskegon Heights	850 00	2,200 00		3,050 00										15 41	14 01	29 42
Negaunee	1,700 00	18,672 00	900 00	21,272 00	42 45	5 99	48 44	15 46	5 99	21 45	16 25	5 99	22 24	17 64	5 99	23 63
Niles	1,600 00	10,186 25	450 00	12,236 25										13 70	1 22	14 92

TABLE XIX.—CONTINUED.

Incorporated cities.	Amount paid superintendent.	Amount paid regular teachers.	Amount paid special teachers.	Total amount paid for instruction.	Cost of education per capita in— High school.			Grammar department.			Primary department.			Whole school.		
					Instruction.	Incidentals.	Total.	Instruction.	Incidentals.	Total.	Instruction.	Incidentals.	Total.	Instruction.	Incidentals.	Total.
North Muskegon	$319 00	$262 50	.....	$581 50	$4 93	$2 64	$7 57	.....	.....	.....	.....	.....	.....	$5 19	$2 64	$7 83
Norway	1,500 00	11,585 25	$475 00	13,560 25	49 87	10 22	60 09	$13 90	$10 22	$24 12	$12 76	$10 22	$22 98	16 09	10 22	26 31
Omer	568 00	1,050 00	.....	1,618 00	.....	.....	.....	.....	.....	.....	.....	.....	.....	10 18	2 80	12 98
Onaway	1,000 00	4,118 50	.....	5,118 50	54 12	8 37	62 49	13 80	8 37	22 17	6 27	8 37	14 64	10 60	8 37	18 97
Owosso	1,600 00	24,296 55	860 00	26,756 55	.....	.....	.....	.....	.....	.....	.....	.....	.....	17 42	15 66	33 08
Petoskey	1,600 00	14,269 58	.....	15,869 58	.....	.....	.....	.....	.....	.....	.....	.....	.....	18 11	88	18 99
Pontiac	2,000 00	19,613 50	1,250 00	22,863 50	28 84	12 81	41 65	14 06	12 81	26 87	11 42	12 81	24 23	14 59	12 81	27 40
Port Huron	1,900 00	38,779 81	600 00	41,279 81	25 00	7 98	32 98	12 60	7 98	20 58	10 50	7 98	18 48	14 01	7 98	21 99
Rose City	570 00	1,233 75	.....	1,803 75	.....	.....	.....	.....	.....	.....	.....	.....	.....	8 92	3 61	12 53
Saginaw	2,400 00	75,949 01	2,425 00	80,774 01	31 66	10 42	42 08	16 76	10 42	27 18	10 86	10 42	21 28	19 70	10 42	30 12
Saginaw, W. S.	1,750 00	37,558 11	2,950 00	42,258 11	.....	.....	.....	.....	.....	.....	.....	.....	.....	13 63	8 95	22 58
Sandusky	600 00	1,359 00	.....	1,959 00	16 24	8 54	24 78	7 50	8 54	16 04	6 14	8 54	14 68	7 23	8 54	15 77
Sault Ste. Marie	2,300 00	29,276 75	2,600 00	34,176 75	25 80	11 70	37 50	13 21	11 70	24 91	12 40	11 70	24 10	16 27	11 70	27 97
South Haven	1,300 00	9,187 42	475 00	10,962 42	23 23	3 83	27 06	13 38	3 83	17 21	10 75	3 83	14 58	13 83	3 83	17 66
St. Clair	1,200 00	5,250 00	370 00	6,820 00	33 39	8 62	42 01	13 09	8 62	21 71	10 44	8 62	19 06	14 67	8 62	23 29
St. Ignace	900 00	3,825 00	.....	4,725 00	.....	.....	.....	.....	.....	.....	.....	.....	.....	12 37	6 14	18 51
St. Johns	1,300 00	9,418 50	516 70	11,235 20	25 69	8 61	34 30	13 75	8 61	22 36	13 32	8 61	21 93	15 64	8 61	24 25
St. Joseph	1,650 00	13,044 55	925 00	15,619 55	37 81	6 95	44 76	14 68	6 95	21 63	11 12	6 95	18 07	15 90	6 95	22 85
St. Louis	1,150 00	6,172 00	500 00	7,822 00	.....	.....	.....	.....	.....	.....	.....	.....	.....	16 38	8 52	24 90
Standish	800 00	3,441 50	.....	4,241 50	.....	.....	.....	.....	.....	.....	.....	.....	.....	12 44	5 94	18 38
Stanton	850 00	2,766 00	.....	3,616 00	25 80	4 83	30 63	11 15	4 83	15 98	10 40	4 83	15 23	13 80	4 83	18 63
.....	1,150 00	4,752 50	380 00	6,282 50	25 25	6 20	31 45	13 79	6 20	29 99	12 02	6 20	18 22	14 31	6 20	20 51
.....	775 00	1,988 75	.....	2,763 75	.....	.....	.....	.....	.....	.....	.....	.....	.....	10 35	12 39	22 74
s.....	1,350 00	11,050 50	427 50	12,828 00	21 71	5 67	27 38	*15 52	5 67	21 19	.....	.....	.....	17 51	5 67	23 18
y.....	1,800 00	22,320 00	1,080 00	25,200 00	.....	.....	.....	.....	.....	.....	.....	.....	.....	13 00	8 25	21 25
ity.....	1,700 00	28,834 00	600 00	31,134 00	29 31	12 33	41 64	19 66	12 33	31 99	13 50	12 33	25 83	15 74	12 33	28 07
ı.....	750 00	2,280 00	.....	3,030 00	.....	.....	.....	.....	.....	.....	.....	.....	.....	7 25	1 17	8 42
.....	1,300 00	11,438 75	450 00	13,188 75	.....	.....	.....	.....	.....	.....	.....	.....	.....	13 26	8 44	21 70
.....	900 00	3,000 00	.....	3,900 00	39 75	2 66	42 51	8 74	2 66	11 40	8 42	2 66	11 08	12 34	2 66	15 00
ati.....	1,600 00	14,028 00	1,130 82	16,758 82	27 82	7 49	35 31	14 76	7 49	22 25	14 76	7 49	22 25	16 94	7 49	24 43

* Includes primary department

TABLE XIX.—Continued.

Financial statistics of graded village schools as reported by superintendents for the year 1904-1905.

Incorporated villages.	Amount paid superintendent.	Amount paid regular teachers.	Amount paid special teachers.	Total amount paid for instruction.	Cost of education per capita in—											
					High school.			Grammar department.			Primary department.			Whole school.		
					Instruction.	Incidentals.	Total.	Instruction.	Incidentals.	Total.	Instruction.	Incidentals.	Total.	Instruction.	Incidentals.	Total.
Addison	$800 00	$1,356 25	.....	$2,156 25	$28 50	$7 74	$36 24	$10 00	$7 74	$17 74	$6 28	$7 74	$14 02	$13 14	$7 74	$20 88
Alanson	495 00	1,095 00	.....	1,590 00	35 36	7 95	43 31	7 00	7 95	14 95	4 65	7 95	12 60	12 72	7 95	20 67
Algonac	1,000 00	2,847 50	.....	3,847 50	18 50	7 34	25 84	14 05	7 34	21 39	12 50	7 34	19 84	13 50	7 34	20 84
Allegan	1,400 00	7,299 06	$665 00	9,364 06	24 00	3 17	27 17	8 08	3 17	11 25	11 13	3 17	14 30	15 53	3 17	18 70
Almont	750 00	2,069 50	.....	2,819 50	27 67	3 36	31 03	14 51	3 36	17 87	10 20	3 36	13 56	15 32	3 36	18 68
Applegate	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Armada	750 00	1,542 00	.....	2,292 00	16 95	11 35	28 30	9 66	11 35	21 01	6 85	11 35	18 20	10 50	11 35	21 85
Ashley	450 00	630 00	.....	1,080 00	13 63	1 37	15 00	8 78	1 37	10 15	9 26	1 37	10 63	8 44	1 37	9 81
Athens	600 00	1,225 00	.....	1,825 00	25 77	68	26 45	7 20	68	7 88	11 56	68	12 24	13 13	68	13 81
†Atlanta	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Attica	450 00	250 00	.....	700 00	16 46	1 59	18 05	15 45	1 59	17 04	3 90	1 59	5 49	10 45	1 59	12 04
Augusta	750 00	1,755 00	.....	2,505 00	25 00	19 37	44 37	23 84	19 37	43 21	8 10	19 37	27 47	15 56	19 37	34 93
Baldwin	495 00	540 00	.....	1,035 00	30 94	3 72	34 66	7 80	3 72	11 52	4 82	3 72	8 54	7 34	3 72	11 06
Bancroft	800 00	1,400 00	.....	2,200 00	31 80	2 98	34 78	8 10	2 98	11 08	8 50	2 98	11 48	16 30	2 98	19 28
Bangor	850 00	2,647 00	.....	3,497 00	18 50	9 58	28 08	7 65	9 58	17 23	6 33	9 58	15 91	9 40	9 58	18 98
Baraga	1,200 00	5,370 00	.....	6,570 00	.....	.....	.....	.....	.....	.....	.....	.....	.....	12 98	7 53	20 51
Bear Lake	600 00	697 00	70 00	1,367 00	14 28	3 11	17 39	6 43	3 11	9 54	4 69	3 11	7 80	10 28	3 11	13 39
Bellaire	675 00	2,970 00	.....	3,645 00	20 45	2 34	22 79	8 40	2 34	10 74	6 27	2 34	8 61	10 94	2 34	13 28
Belleville	650 00	800 00	.....	1,450 00	15 85	4 61	20 46	8 69	4 61	13 30	6 45	4 61	11 06	10 66	4 61	15 27
Bellevue	800 00	2,052 00	100 00	2,952 00	24 00	3 03	27 03	12 00	3 03	15 03	13 00	3 03	16 03	14 91	3 03	17 94
Benzonia	700 00	1,372 50	.....	2,072 50	36 80	3 24	40 04	8 47	3 24	12 71	11 52	3 24	14 76	14 39	3 24	17 63
Berrien Springs	800 00	1,620 00	.....	2,420 00	24 61	4 07	28 68	14 60	4 07	18 67	10 00	4 07	14 07	10 12	4 07	14 19
Birmingham	1,000 00	3,267 50	.....	4,267 50	16 66	4 94	21 60	10 98	4 94	15 92	7 61	4 94	12 55	10 75	4 94	15 69
Blissfield, 1 fr	700 00	900 00	.....	1,600 00	21 74	4 43	26 17	8 11	4 43	12 54	5 17	4 43	9 60	11 35	4 43	15 78
Blissfield, 2 fr	750 00	1,450 00	.....	2,200 00	31 94	4 85	36 79	4 00	4 85	8 85	5 88	4 85	10 73	11 96	4 85	16 81

† Not legally graded.

TABLE XIX.—CONTINUED.

Incorporated villages.	Amount paid superintendent.	Amount paid regular teachers.	Amount paid special teachers.	Total amount paid for instruction.	Cost of education per capita in—											
					High school.			Grammar department.			Primary department.			Whole school.		
					Instruction.	Incidentals.	Total.	Instruction.	Incidentals.	Total.	Instruction.	Incidentals.	Total.	Instruction.	Incidentals.	Total.
Bloomingdale	$630 00	$945 00	.....	$1,575 00	$18 80	$4 58	$23 38	$8 90	$4 58	$13 48	$7 92	$4 58	$17 50	$11 58	$4 58	$16 16
Boardman	495 00	863 75	.....	1,358 75	16 50	1 04	17 54	10 30	1 04	11 34	7 75	1 04	8 79	10 45	1 04	11 49
Boyne City	1,000 00	4,544 22	.....	5,544 22	32 38	3 56	35 94	10 48	3 56	14 04	6 66	3 56	10 22	9 86	3 56	13 42
Boyne Falls	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Breedsville	450 00	315 00	.....	765 00	15 00	1 93	16 93	12 00	1 93	13 93	9 00	1 93	10 93	12 34	1 93	14 27
Brighton	850 00	1,590 00	.....	2,440 00	29 76	6 01	35 77	9 50	6 01	15 51	8 75	6 01	14 76	14 58	6 01	20 59
Britton	567 00	630 00	.....	1,197 00	14 92	2 48	17 40	9 13	2 48	11 61	9 13	2 48	11 61	11 18	2 48	13 66
Bronson	712 50	2,522 49	.....	3,234 99	18 09	7 69	25 78	15 55	7 69	23 24	12 22	7 69	19 91	14 70	7 69	22 39
Brooklyn	800 00	1,625 00	.....	2,425 00	30 50	3 35	33 85	12 39	3 35	33 85	10 16	3 35	13 51	16 50	3 35	19 85
Brown City	650 00	1,060 00	.....	1,710 00	20 00	2 63	22 63	6 80	2 63	9 43	6 70	2 63	9 33	8 91	2 63	11 54
Buchanan	975 00	4,654 89	$360 00	5,989 89	36 10	9 35	45 45	17 20	9 35	26 55	14 30	9 35	23 65	21 31	9 35	30 66
Burlington	405 00	500 00	.....	905 00	30 69	1 74	32 43	11 35	1 74	13 09	9 61	1 74	11 35	11 31	1 74	13 05
Burr Oak	585 00	1,792 89	.....	2,377 89	29 31	3 60	32 91	12 82	3 60	16 42	7 13	3 60	10 73	13 43	3 60	17 03
Byron	650 00	975 00	.....	1,625 00	46 43	5 39	51 82	9 39	5 39	14 78	9 69	5 39	15 08	14 00	5 39	19 39
Caledonia	750 00	1,050 00	.....	1,800 00	20 90	4 99	25 89	18 61	4 99	23 60	12 63	4 99	17 62	12 67	4 99	17 66
Camden	500 00	860 00	.....	1,360 00	19 23	7 75	26 98	14 05	7 75	21 80	9 26	7 75	17 01	12 60	7 75	20 35
Canac	600 00	1,350 00	.....	1,950 00	16 29	8 22	24 51	8 76	8 22	16 98	6 46	8 22	14 68	10 10	8 22	18 32
.....	1,200 00	5,649 50	419 50	7,269 00	19 02	7 05	26 07	15 77	7 05	22 82	13 65	7 05	20 70	15 46	7 05	22 51
ity	800 00	2,116 76	.....	2,916 76	21 44	6 36	27 80	11 60	6 36	17 96	9 43	6 36	15 79	12 31	6 36	18 67
e	600 00	600 00	.....	1,200 00	21 43	7 68	29 11	4 84	7 68	12 52	3 41	7 68	11 09	6 74	7 68	14 42
.....	700 00	800 00	.....	1,500 00	17 50	1 74	19 24	8 16	1 74	9 90	4 39	1 74	6 13	11 63	1 74	13 37
.....	585 00	585 00	.....	1,170 00	19 50	1 99	21 49	6 43	1 99	8 42	7 16	1 99	9 15	10 09	1 99	12 08
.....	900 00	3,040 85	200 00	4,140 85	18 30	4 29	22 59	5 00	4 29	9 29	8 00	4 29	12 29	11 69	4 29	15 98	
.....	1,000 00	2,945 00	.....	3,945 00	32 00	3 60	35 60	9 00	3 60	12 60	6 00	3 60	9 60	13 56	3 60	17 16
prings	631 85	2,373 75	.....	3,005 60	30 19	6 70	36 89	9 80	6 70	16 50	9 16	6 70	15 86	13 42	6 70	20 12
Central Lake	900 00	2,137 50	337 50	3,375 00	25 00	10 66	35 66	7 00	10 66	17 66	5 50	10 66	16 16	13 18	10 66	23 84
Centreville	800 00	1,755 00	.....	2,555 00	25 78	4 73	30 51	20 43	4 73	25 16	18 60	4 73	23 33	20 94	4 73	25 67
Chelsea	1,000 00	4,640 00	350 00	5,990 00	25 19	5 10	30 29	12 65	5 10	17 75	9 87	5 10	14 97	14 90	5 10	20 00
Cheeaning	1,200 00	2,925 00	.....	4,125 00	33 72	4 74	38 46	11 40	4 74	16 14	12 62	4 74	17 36	16 70	4 74	21 44
Clarkston	850 00	1,600 00	.....	2,450 00	37 88	6 88	44 76	11 25	6 88	18 13	6 52	6 88	13 40	20 59	6 88	27 47

Clayton	600 00	495 00	.....	1,095 00	24 00	4 58	28 58	9 31	4 58	13 89	8 04	4 58	12 62	13 36	4 58	17 94
†Clifford	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Climax	450 00	930 00	.....	1,380 00	23 12	4 77	27 89	10 79	4 77	15 56	9 43	4 77	14 20	13 02	4 77	17 79
Clinton	800 00	2,223 00	.....	3,023 00	28 64	3 55	32 19	11 31	3 35	14 86	8 58	3 55	12 13	15 04	3 55	18 59
Clio	700 00	1,940 00	.....	2,640 00	25 71	4 52	30 23	16 07	4 52	20 59	13 41	4 52	17 93	17 72	4 52	22 24
Coloma	630 00	1,548 00	.....	2,178 00	24 00	6 70	30 70	7 73	6 70	14 43	6 15	6 70	12 85	10 28	6 70	16 98
Colon	700 00	2,115 00	.....	2,815 00	26 99	7 54	34 53	12 86	7 54	20 40	12 60	7 54	20 14	17 21	7 54	24 75
Columbiaville	600 00	1,200 00	.....	1,800 00	35 45	9 75	45 20	13 33	9 75	23 08	11 00	9 75	20 75	16 51	9 75	26 26
Concord	725 00	1,407 50	.....	2,132 50	23 13	6 40	29 53	14 08	6 40	20 48	15 11	6 40	21 51	16 66	6 40	23 06
Constantine	1,100 00	2,620 00	.....	3,720 00	26 76	5 30	32 06	14 01	5 30	19 31	8 56	5 31	13 87	15 31	5 30	20 61
Coopersville	600 00	1,330 00	.....	1,930 00	15 54	2 44	17 98	8 75	2 44	11 19	7 92	2 44	10 36	10 60	2 44	13 04
Copemish	550 00	750 00	.....	1,300 00	14 06	86	14 92	12 00	86	12 86	7 00	86	7 86	11 21	86	12 07
†Croton	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Custer	450 00	315 00	.....	855 00	.....	.....	.....	10 60	1 71	12 31	5 16	1 71	6 87	7 63	1 71	9 34
†Daggett	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Dansville	700 00	960 00	.....	1,660 00	21 05	1 07	22 12	16 52	1 07	17 59	12 97	1 07	14 04	16 94	1 07	18 01
Davison	600 00	1,650 00	.....	2,250 00	21 13	7 08	28 21	15 20	7 08	22 28	11 25	7 08	18 33	12 10	7 08	19 18
Dearborn	750 00	1,800 00	100 00	2,650 00	40 00	3 36	43 36	6 30	3 36	9 66	5 96	3 36	9 32	9 38	3 36	12 74
Decatur	1,000 00	2,412 00	.....	3,412 00	14 64	3 60	18 24	8 84	3 60	12 44	7 02	3 60	10 62	11 86	3 60	15 46
Deckerville	540 00	675 00	.....	1,215 00	22 00	4 85	26 85	6 30	4 85	11 15	5 00	4 85	9 85	7 95	4 85	12 80
Deerfield	630 00	1,170 00	.....	1,800 00	31 50	1 16	32 66	9 69	1 16	10 85	6 21	1 16	7 37	10 46	1 16	11 62
Delray	1,650 00	18,787 34	1,810 00	22,247 34	48 20	17 75	65 95	16 50	17 75	34 25	16 50	17 75	24 25	16 82	17 75	34 57
Detour	700 00	2,005 00	.....	2,705 00	35 00	5 30	40 30	.....	.....	.....	.....	.....	.....	13 66	5 30	18 96
Dexter	765 00	2,070 00	135 00	2,970 00	22 69	3 56	26 25	9 26	3 56	12 82	8 74	3 56	12 30	12 53	3 56	16 09
Douglas	540 00	720 00	.....	1,260 00	54 00	4 90	58 90	10 80	4 90	15 70	7 20	4 90	12 10	11 45	4 90	16 35
Dryden	650 00	650 00	.....	1,300 00	26 00	2 76	28 76	10 00	2 76	12 76	5 66	2 76	8 42	11 50	2 76	14 26
Dundee	750 00	3,637 50	36 00	4,423 50	30 00	3 64	33 64	12 00	3 64	15 64	7 00	3 64	10 64	20 11	3 64	23 75
Durand	1,000 00	4,710 00	.....	5,710 00	39 80	12 92	52 72	12 20	12 92	25 12	9 50	12 92	22 42	14 10	12 92	27 02
†Eagle	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
East Grand Rapids	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
East Jordan	1,000 00	2,790 00	.....	3,790 00	16 96	5 71	22 67	13 36	5 71	19 07	9 54	5 71	15 25	12 11	5 71	17 81
Eau Claire	600 00	990 00	.....	1,590 00	21 60	1 44	23 04	10 60	1 44	12 04	12 11	1 44	13 55	14 32	1 44	15 76
Ecorse	675 00	1,600 00	.....	2,275 00	55 55	5 37	60 92	17 97	5 37	23 34	7 50	5 37	12 87	16 25	5 37	21 62
Edmore	600 00	1,330 00	.....	1,930 00	18 75	2 38	21 13	7 96	2 38	10 34	7 73	2 38	10 11	10 78	2 38	13 16
Elk Rapids	1,300 00	5,347 50	.....	6,647 50	24 34	11 64	35 98	12 34	11 64	23 98	13 50	11 64	25 14	14 77	11 64	26 41
Elkton	800 00	1,230 00	.....	2,030 00	25 00	8 11	33 11	9 00	8 11	17 11	8 00	8 11	16 11	8 98	8 11	17 07
Elsie	570 00	1,092 50	.....	1,662 50	17 81	7 52	25 33	8 03	7 52	15 55	8 04	7 52	15 56	9 90	7 52	17 42
†Emmet	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Empire	700 00	945 00	.....	1,645 00	14 00	6 63	20 63	8 00	6 63	14 63	7 00	6 63	13 63	9 67	6 63	16 30
Essexville	700 00	1,200 00	400 00	2,300 00	.....	.....	.....	19 52	12 35	31 87	13 90	12 35	26 25	16 43	12 35	28 78
Evart	1,150 00	4,963 75	.....	6,113 75	34 23	7 50	41 73	16 82	7 50	24 32	15 90	7 50	23 40	20 18	7 50	27 68
†Fairgrove	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
†Fairview	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Farmington	700 00	900 00	92 45	1,692 45	28 00	4 10	32 10	7 76	4 10	11 86	7 03	4 10	11 13	11 51	4 10	15 61
Farwell	585 00	1,179 00	.....	1,764 00	17 73	3 21	20 94	8 74	3 21	11 95	8 10	3 21	11 31	10 08	3 21	13 29

† Not legally graded

TABLE XIX.—CONTINUED.

Incorporated villages.	Amount paid superintendent.	Amount paid regular teachers.	Amount paid special teachers.	Total amount paid for instruction.	Cost of education per capita in—											
					High school.			Grammar department.			Primary department.			Whole school.		
					Instruction.	Incidentals.	Total.	Instruction.	Incidentals.	Total.	Instruction.	Incidentals.	Total.	Instruction.	Incidentals.	Total.
Fennville	$765 00	$1,422 00	.....	$2,187 00	$22 06	$4 57	$26 63	$6 58	$4 57	$11 15	$10 00	$4 57	$14 57	$12 88	$4 57	$17 45
Fenton	1,000 00	5,715 00	.....	6,715 00	.....	.....	.....	.....	.....	.....	.....	.....	.....	14 12	.....	.....
Fife Lake	540 00	720 00	.....	1,260 00	17 42	6 73	24 15	13 84	6 73	20 57	7 66	6 73	14 39	12 11	6 73	18 84
Flushing	1,000 00	1,850 00	.....	2,850 00	34 09	8 29	42 38	11 02	8 29	19 31	8 04	8 29	16 33	15 00	8 29	23 29
Ford	750 00	1,500 00	$250 00	2,500 00	.....	.....	.....	16 20	12 41	28 61	16 58	12 41	28 99	16 13	12 41	28 54
Forestville	432 00	120 00	.....	552 00	.....	.....	.....	.....	.....	.....	.....	.....	.....	3 64	2 08	5 72
†Fowler	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Fowlerville	800 00	2,400 00	.....	3,200 00	22 30	1 60	23 90	10 93	1 60	12 53	16 30	1 60	17 90	19 05	1 60	20 65
†Frankenmuth	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Frankfort	1,100 00	4,603 92	350 00	6,053 92	27 65	4 81	32 46	11 48	4 81	16 29	9 74	4 81	14 55	13 07	4 81	17 88
†Fraser	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Fremont	900 00	3,850 00	.....	4,750 00	16 00	3 41	19 41	11 12	3 41	14 53	8 41	3 41	11 82	14 97	3 41	18 38
Fruitport	700 00	450 00	.....	1,150 00	.....	.....	.....	33 33	2 52	35 85	9 00	2 52	11 52	17 16	2 52	19 68
Gagetown	500 00	350 00	.....	850 00	.....	.....	.....	15 62	2 75	18 37	9 72	2 75	12 47	12 50	2 75	15 25
Gaines	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Galesburg	750 00	1,629 00	80 00	2,459 00	19 31	3 65	22 96	14 59	3 65	18 24	10 38	3 65	14 03	14 90	3 65	18 55
Galien	585 00	1,012 50	.....	1,597 50	21 51	4 05	25 56	9 81	4 05	13 86	8 68	4 05	12 73	11 49	4 05	15 54
[illegible]	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
.....	1,000 00	4,152 50	.....	5,152 50	53 95	51 48	105 43	11 36	51 48	62 84	8 75	51 48	60 23	14 20	51 48	65 68
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
.....	550 00	1,282 50	.....	1,832 50	22 14	3 65	25 79	10 96	3 65	14 61	8 12	3 65	11 77	12 73	3 65	16 38
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
.....	700 00	1,700 00	250 00	2,650 00	26 92	11 48	38 40	18 42	11 48	29 90	18 33	11 48	29 81	22 08	11 48	33 56
.....	1,000 00	3,375 00	400 00	4,775 00	19 17	4 86	24 03	12 96	4 86	17 82	11 05	4 86	15 91	13 56	4 86	18 46
[illegible] Pointe	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Grosse Pointe Farms	550 00	700 00	.....	1,250 00	.....	.....	.....	23 15	16 65	39 80	10 76	16 65	27 41	14 88	16 65	31 53
Hamtramck	825 00	2,976 50	25 00	3,826 50	.....	.....	.....	28 29	11 09	39 38	6 12	11 09	17 21	12 76	11 09	23 85
Hanover	600 00	1,075 00	.....	1,675 00	13 52	5 00	18 52	11 38	5 00	16 38	11 17	5 00	16 17	14 74	5 00	19 74
Harbor Beach	1,100 00	2,925 00	.....	4,025 00	26 06	8 83	34 89	9 66	8 83	18 49	8 05	8 83	16 88	12 90	8 83	21 73

Harbor Springs	925 00	3,430 88	.....	4,355 88	27 50	3 18	30 68	8 00	3 18	11 18	9 19	3 18	12 37	11 46	3 18	14 64
Harrietta	450 00	630 00	.....	1,080 00	28 12	8 45	36 57	7 00	8 45	15 45	5 73	8 45	14 18	9 31	8 45	17 76
Hart	925 00	3,667 00	202 00	4,794 00	21 74	7 52	29 26	13 81	7 52	21 33	10 35	7 52	17 87	14 06	7 52	21 58
Hartford	900 00	2,448 00	135 00	3,483 00	13 50	4 99	18 49	7 90	4 99	12 89	7 70	4 99	12 69	11 49	4 99	16 48
Hersey	600 00	1,047 00	.....	1,647 00	20 00	4 25	24 25	14 00	4 25	18 25	13 00	4 25	17 25	14 97	4 25	19 22
Hesperia	585 00	1,287 00	.....	1,872 00	21 75	3 72	25 47	8 64	3 72	12 36	15 48	3 72	19 20	13 37	3 72	17 09
Highland Park	900 00	1,500 00	.....	2,450 00	.....	.....	.....	22 29	9 14	31 43	14 49	9 14	23 63	17 01	9 14	26 15
†Hillman	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Holly	1,000 00	2,610 00	140 00	3,750 00	19 00	4 28	23 28	11 00	4 28	15 28	9 00	4 28	13 28	13 02	4 28	17 30
Homer	750 00	2,480 00	300 00	3,530 00	20 89	1 22	22 11	11 82	1 22	13 04	11 43	1 22	12 65	10 12	1 22	11 34
Houghton	1,800 00	19,656 25	600 00	22,056 25	50 89	12 42	63 31	18 50	12 42	30 92	18 10	12 42	30 52	21 49	12 42	33 91
Howard City	807 50	2,485 00	313 50	3,606 00	26 00	3 90	29 90	11 45	3 90	15 35	10 70	3 90	14 60	13 60	3 90	17 50
Howell	1,300 00	5,757 00	500 00	7,557 00	24 40	1 79	26 19	10 07	1 79	11 86	11 06	1 79	12 85	14 29	1 79	16 08
Hubbardston	585 00	630 00	.....	1,215 00	17 18	6 25	23 43	13 20	6 25	19 45	9 82	6 25	16 07	13 81	6 25	20 06
‖Hubbell	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Imlay City	1,000 00	2,650 00	.....	3,650 00	28 60	2 73	31 33	8 30	2 73	11 03	7 90	2 73	10 63	12 41	2 73	15 14
Iron River	1,000 00	4,600 00	.....	5,600 00	.....	.....	.....	.....	.....	.....	.....	.....	.....	15 05	2 69	17 74
Ithaca	1,000 00	4,775 00	300 00	6,175 00	18 30	5 49	23 79	10 88	5 49	16 37	7 90	5 49	13 39	14 43	5 49	19 92
Jerome	360 00	225 00	.....	585 00	.....	.....	.....	25 71	3 29	29 00	7 09	3 29	10 38	12 72	3 29	16 01
Jonesville	1,000 00	2,830 00	.....	3,830 00	32 20	5 27	37 47	12 52	5 27	17 59	8 00	5 27	13 27	14 18	5 27	19 45
Kalkaska	900 00	3,250 26	.....	4,150 26	20 15	2 65	22 80	11 70	2 65	14 35	11 23	2 65	13 88	14 36	2 65	17 01
†Kinde	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Kingsley	540 00	684 00	.....	1,224 00	14 60	8 97	23 57	8 02	8 97	16 99	5 00	8 97	13 97	8 38	8 97	17 35
Kingston	525 00	300 00	.....	825 00	.....	.....	.....	8 47	58	9 05	4 48	58	5 06	6 39	58	7 97
Laingsburg	700 00	1,475 00	.....	2,175 00	42 86	10 23	53 09	12 18	10 23	22 41	8 86	10 23	19 09	17 68	10 23	27 91
Lake Ann	450 00	360 00	.....	810 00	.....	.....	.....	13 63	3 15	16 78	6 53	3 15	9 68	11 57	3 15	14 72
Lake City	540 00	1,065 00	.....	1,605 00	25 70	5 63	31 33	6 00	5 63	11 63	7 78	5 63	13 41	7 53	5 63	13 16
Lake Linden	1,800 00	13,933 50	662 50	16,396 00	33 99	12 63	46 62	27 73	12 63	40 36	15 24	12 63	27 87	22 16	12 63	34 79
Lake Odessa	850 00	2,652 50	.....	3,502 50	17 92	6 47	24 39	8 35	6 47	14 82	11 33	6 47	17 80	11 67	6 47	18 14
Lakeview	1,000 00	2,297 00	.....	3,297 00	19 83	3 63	23 46	8 44	3 63	12 07	10 85	3 63	14 51	12 03	3 63	15 66
L'Anse	1,200 00	5,499 50	.....	6,699 50	49 29	7 99	57 28	15 65	7 99	23 64	21 86	7 99	29 85	21 82	7 99	29 81
¶Laurium	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Lawrence	900 00	1,800 00	.....	2,700 00	31 50	10 27	41 77	14 11	10 27	24 38	5 70	10 27	15 97	15 70	10 27	25 97
Lawton	800 00	1,620 00	.....	2,420 00	19 33	5 11	24 44	10 23	5 11	15 34	5 62	5 11	10 73	10 52	5 11	15 63
Leonard	507 87	560 00	.....	1,067 87	18 52	4 84	23 36	8 48	4 84	13 32	6 36	4 84	11 20	10 27	4 84	15 11
Le Roy	540 00	990 00	20 00	1,550 00	18 62	4 19	22 81	9 39	4 19	13 58	9 26	4 19	13 45	11 31	4 19	15 50
Leslie	1,000 00	2,050 00	.....	3,050 00	30 00	10 24	40 24	10 00	10 24	20 24	11 00	10 24	21 24	15 10	10 24	25 34
Lexington	700 00	1,425 00	.....	2,125 00	34 70	5 51	40 21	6 73	5 51	12 24	12 07	5 51	17 58	15 07	5 51	20 58
Linden	600 00	1,050 00	.....	1,650 00	19 79	4 57	24 36	7 00	4 57	11 57	4 37	4 57	8 94	11 62	4 57	16 19
Lisbon	585 00	315 00	.....	900 00	.....	.....	.....	22 50	5 87	28 37	9 00	5 87	14 87	14 75	5 87	20 62
Litchfield	600 00	1,200 00	.....	1,800 00	23 07	4 80	27 87	12 14	4 80	16 94	8 82	4 80	13 62	13 65	4 80	18 45
Lowell	1,200 00	4,375 00	.....	5,575 00	12 00	6 54	18 54	11 00	6 54	17 54	8 58	6 54	15 12	11 38	6 54	17 92
Luther	600 00	1,301 25	.....	1,901 25	24 00	42	24 42	9 35	42	9 77	5 38	42	5 80	8 72	42	9 14
Lyons	720 00	1,237 50	.....	1,957 50	14 45	4 12	18 57	15 53	4 12	19 65	16 14	4 12	20 26	15 29	4 12	19 41
Mackinaw City	630 00	1,035 00	.....	1,665 00	30 00	3 65	33 65	7 50	3 65	11 15	6 75	3 65	10 40	11 32	3 65	14 97

† Not legally graded. ‖ Was South Lake Linden. Report included with Lake Linden. ¶ Included in Calumet which is not incorporated.

TABLE XIX.—CONTINUED.

Incorporated villages.	Amount paid superintendent.	Amount paid regular teachers.	Amount paid special teachers.	Total amount paid for instruction.	Cost of education per capita in—											
					High school.			Grammar department.			Primary department.			Whole school.		
					Instruction.	Incidentals.	Total.	Instruction.	Incidentals.	Total.	Instruction.	Incidentals.	Total.	Instruction.	Incidentals.	Total.
Mancelona	$900 00	$4,500 00	.....	$5,400 00	$15 27	$7 59	$22 86	$12 27	$7 59	$19 86	$12 36	$7 59	$19 95	$10 89	$7 59	$18 48
Manchester	1,000 00	2,890 00	.....	3,890 00	22 00	2 85	24 85	10 64	2 85	13 49	9 90	2 85	12 75	13 70	2 85	16 55
Manton	630 00	2,295 00	.....	2,925 00	27 00	4 11	31 11	12 03	4 11	16 14	7 50	4 11	11 61	11 40	4 11	15 51
Maple Rapids	700 00	1,100 00	.....	1,800 00	18 03	4 12	22 15	10 00	4 12	14 72	8 53	4 12	12 65	13 33	4 12	17 45
Marcellus	800 00	2,070 00	.....	2,870 00	29 00	9 51	38 51	8 70	9 51	18 21	9 49	9 51	19 00	13 90	9 51	23 41
Marion	585 00	1,269 00	.....	1,854 00	18 30	7 15	25 45	7 24	7 15	14 39	5 46	7 15	12 61	7 68	7 15	14 83
†Marlborough	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Mariette	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
†Maybee	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Mayville	700 00	1,450 00	.....	2,150 00	22 00	5 41	27 41	5 83	5 41	11 24	7 36	5 41	12 77	10 49	5 41	15 90
McBain	585 00	1,575 00	.....	2,160 00	29 00	3 06	32 06	7 86	3 06	10 92	7 77	3 06	10 83	10 59	3 06	13 65
McBrides	650 00	617 50	.....	1,267 50	18 56	2 65	21 21	9 22	2 65	11 87	5 58	2 65	8 23	10 39	2 65	13 04
Mecosta	540 00	567 00	.....	1,107 00	13 84	3 38	17 22	9 54	3 38	12 92	12 00	3 38	15 38	12 03	3 38	15 41
Memphis	650 00	1,425 00	.....	2,075 00	38 94	6 11	15 05	8 33	6 11	14 44	8 82	6 11	14 93	13 13	6 11	19 24
Mendon	700 00	1,944 00	.....	2,644 00	18 00	4 94	22 94	10 00	4 94	14 94	9 00	4 94	13 94	15 64	4 94	20 58
†Merrill	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Mesick	450 00	945 00	.....	1,395 00	28 07	20 07	48 14	10 41	20 07	30 48	8 87	20 07	28 94	15 00	20 07	35 07
Metamora	725 00	650 00	.....	1,375 00	20 13	9 36	29 49	13 20	9 36	22 56	9 14	9 36	18 50	14 32	9 36	23 68
-ille	850 00	2,150 00	.....	3,000 00	30 31	5 35	35 66	10 65	5 35	16 00	10 96	5 35	16 31	16 39	5 35	21 74
.....	900 00	2,700 00	.....	3,600 00	24 00	3 79	27 79	10 30	3 79	14 09	8 00	3 79	11 79	12 08	3 79	15 87
.....	950 00	2,315 00	.....	3,265 00	47 28	6 58	53 86	11 29	6 58	17 87	10 49	6 58	17 07	18 45	6 58	25 03
.....	600 00	1,375 00	.....	1,975 00	.....	.....	.....	20 21	5 64	25 85	7 02	5 64	12 66	10 23	5 64	15 87
.....	600 00	950 00	.....	1,550 00	12 95	7 03	19 98	9 09	7 03	16 12	4 92	7 03	11 95	8 71	7 03	15 74
.....	495 00	516 00	.....	1,011 00	12 07	3 91	15 98	6 66	3 91	10 57	3 48	3 91	7 39	6 97	3 91	10 86
.....	675 00	1,844 50	$90 00	2,609 50	18 62	12 93	31 55	7 14	12 93	20 07	7 52	12 93	20 45	11 86	12 93	24 79
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
.....	1,000 00	1,827 00	.....	2,827 00	18 92	3 10	22 02	8 94	3 10	12 04	6 18	3 10	9 28	11 13	3 10	14 23
.....	465 00	549 00	.....	1,014 00	8 60	5 03	13 63	10 39	5 03	15 42	9 96	5 03	14 99	10 14	5 03	15 17
Morrice	617 50	926 25	.....	1,543 75	.....	.....	.....	.....	.....	.....	.....	.....	.....	13 66	4 51	18 17
Mt. Morris	775 00	1,050 00	.....	1,825 00	14 92	5 74	20 66	9 16	5 74	14 90	6 14	5 74	11 88	10 20	5 74	15 94

†Mulliken																
Munising	1,300 00	7,480 00	500 00	9,280 00	19 00	6 21	25 21	17 00	6 21	23 21	16 00	6 21	22 21	15 46	6 21	21 67
Muir	540 00	809 25		1,349 25	38 57	4 98	43 55	11 25	4 98	16 23	10 17	4 98	15 15	14 83	4 98	19 81
Nashville	800 00	2,820 00	120 00	3,740 00	15 00	2 17	17 17	12 00	2 17	14 17	10 00	2 17	12 17	13 91	2 17	16 08
†Naubinway																
Newaygo	850 00	2,725 90		3,575 90	19 02	22 79	41 81	24 66	22 79	47 45	30 98	22 79	53 77	30 30	22 79	53 09
New Baltimore	752 12	1,723 00		2,475 12	35 61	13 19	48 80	9 07	13 19	22 26	8 47	13 19	21 66	14 56	13 19	27 75
Newberry	1,200 00	7,942 50		9,142 50										21 46	15 04	36 50
†New Boston																
New Buffalo	675 00	995 00		1,670 00	16 87	9 64	26 51	18 75	9 64	28 39	5 67	9 64	15 31	9 66	9 64	19 30
New Haven	495 00	729 00		1,224 00	15 01	12 35	27 36	11 53	12 35	23 88	6 64	12 35	18 89	11 33	12 35	23 68
North Adams	600 00	1,045 00		1,645 00	18 00	4 53	22 53	7 55	4 53	12 08	11 08	4 53	15 61	12 86	4 53	17 39
North Branch	800 00	1,650 00		2,450 00	22 90	13 04	35 94	11 50	13 04	24 54	9 40	13 04	22 64	13 69	13 04	26 73
Northport	650 00	1,432 00		2,082 00	36 11	5 56	41 67	7 37	5 56	12 93	7 96	5 56	13 52	11 90	5 56	17 46
Northville	1,100 00	4,129 00		5,229 00	30 18	3 23	33 41	12 22	3 23	15 45	7 74	3 23	10 97	13 34	3 23	16 57
Oakley	405 00	225 00		630 00				15 00	2 22	17 22	6 81	2 22	9 03	10 32	2 22	12 55
Olivet	750 00	1,760 00	150 00	2,660 00	15 00	4 40	19 40	10 00	4 40	14 40	9 00	4 40	13 40	14 30	4 40	18 70
Onekama	540 00	630 00		1,170 00	15 88	5 37	21 25	8 28	5 37	13 65	6 56	5 37	11 93	9 75	5 37	15 12
Ontonagon	675 00	1,934 50		2,609 50	18 62	6 11	24 73	7 14	6 11	13 25	7 52	6 11	13 63	11 86	6 11	17 97
Orion	600 00	1,575 00		2,175 00	26 93	15 16	42 09	10 75	15 16	25 91	9 44	15 16	24 60	14 03	15 16	29 19
Ortonville	700 00	640 00		1,340 00	20 00	3 95	23 95	10 66	3 95	14 61	8 42	3 95	12 37	13 01	3 95	16 96
Oscoda	585 00	1,395 00		1,980 00	18 95	5 13	24 08	7 40	5 13	12 53	5 76	5 13	10 89	7 98	5 13	13 12
Otisville	600 00	600 00		1,200 00	13 90	1 64	15 54	7 50	1 64	9 14	4 88	1 64	6 52	8 89	1 64	10 53
Otsego	1,300 00	4,754 25	279 00	6,333 25	22 55	4 49	27 04	8 53	4 49	13 02	9 61	4 49	14 10	13 89	4 49	18 38
Otter Lake	360 00	270 00		630 00				12 00	1 77	13 77	9 00	1 77	10 77	10 50	1 77	12 27
Ovid	1,000 00	3,250 00	120 00	4,370 00	20 00	5 42	25 42	11 00	5 42	16 42	10 95	5 42	16 37	15 07	5 42	20 49
Owendale	405 00			405 00										6 43	1 23	7 66
Oxford	850 00	2,920 00		3,770 00	27 24	8 52	35 76	19 67	8 52	28 19	9 52	8 52	18 04	18 43	8 52	26 95
Parma	650 00	1,437 75	180 00	2,267 75	24 02	15 88	39 90	14 21	15 88	30 09	11 80	15 88	27 68	18 28	15 88	34 16
Paw Paw	1,200 00	3,391 80		4,591 80	19 69	9 66	29 35	7 00	9 66	16 66	7 87	9 66	17 53	13 23	9 66	22 89
†Peck																
Pentwater	900 00	2,580 00		3,480 00	17 07	6 55	23 62	11 41	6 55	17 96	11 75	6 55	18 30	11 88	6 55	18 43
†Perrinton																
Perry	800 00	1,675 00		2,475 00	25 00	25 70	50 70	11 00	25 70	36 70	9 00	25 70	34 70	17 68	25 70	43 38
Petersburg	567 00	1,215 00		1,782 00	17 71	4 50	22 21	9 77	4 50	14 27	7 07	4 50	11 57	12 04	4 50	16 54
Pewamo	540 00	540 00		1,080 00	15 00	18 34	33 54	8 43	18 54	26 97	7 10	18 54	25 64	10 19	18 54	28 73
Pierson	450 00	270 00		720 00				8 33	2 07	10 40	7 71	2 07	9 78	7 58	2 07	9 65
Pigeon	650 00	1,050 00		1,700 00	18 52	21	18 73	5 55	21	5 76	5 10	21	5 33	7 27	21	7 48
Pinckney	700 00	950 00		1,650 00	30 88	4 64	35 52	14 04	4 64	18 68	5 77	4 64	10 41	15 00	4 64	19 64
Pinconning																
Plainwell	1,100 00	3,042 50		4,142 50	24 57	6 35	30 92	11 61	6 35	17 96	6 84	6 35	13 19	14 04	6 35	20 39
Plymouth	1,000 00	3,670 00	307 50	4,977 50	20 50	3 56	24 06	13 30	3 56	16 86	12 20	3 56	15 76	15 17	3 56	18 73
Port Austin	700 00	1,250 00		1,950 00	46 66	5 57	52 23	11 36	5 57	16 93	5 59	5 57	11 16	10 10	5 57	15 67
Port Hope	575 00	600 00		1,175 00	22 11	2 77	24 88	11 54	2 77	14 31	13 63	2 77	16 40	15 87	2 77	18 64
Portland	900 00	4,660 00	100 00	5,660 00	20 24	4 65	24 89	13 43	4 65	18 08	10 41	4 65	15 06	14 47	4 65	19 12

† Not legally graded.

TABLE XIX.—CONCLUDED.

Incorporated villages.	Amount paid superintendent.	Amount paid regular teachers.	Amount paid special teachers.	Total amount paid for instruction.	Cost of education per capita in—											
					High school.			Grammar department.			Primary department.			Whole school.		
					Instruction.	Incidentals.	Total.	Instruction.	Incidentals.	Total.	Instruction.	Incidentals.	Total.	Instruction.	Incidentals.	Total.
Port Sanilac	$495 00	$540 00	.....	$1,035 00	$13 10	$2 71	$15 81	$9 31	$2 71	$12 02	$6 58	$2 71	$9 29	$9 95	$2 71	$12 66
Potterville	450 00	755 50	.....	1,205 50	11 84	2 51	14 35	11 70	2 51	14 21	9 67	2 51	12 18	11 06	2 51	13 57
Quincy	1,000 00	2,650 00	.....	3,650 00	28 87	6 95	35 82	7 89	6 95	14 84	8 90	6 95	15 85	14 15	6 95	21 10
Reading	1,100 00	2,176 50	.....	3,276 50	24 26	4 63	28 89	9 51	4 63	14 14	6 60	4 63	11 23	13 60	4 63	18 23
¶Red Jacket	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Reed City	1,100 00	5,243 00	.....	6,343 00	21 97	4 03	26 00	10 16	4 03	14 19	9 87	4 03	13 90	13 26	4 03	17 29
†Reese	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Richland	540 00	1,016 25	.....	1,556 25	19 76	6 56	26 32	17 82	6 56	24 38	10 50	6 56	17 06	16 73	6 56	23 29
Richmond	750 00	1,981 50	.....	2,731 50	39 80	5 95	45 75	11 82	5 95	17 77	10 58	5 95	16 53	15 79	5 95	21 74
River Rouge	855 00	5,761 75	$403 75	7,020 50	18 60	9 73	28 33	15 85	9 73	25 58	9 24	9 73	18 97	13 37	9 73	23 10
Rochester	950 00	2,175 00	.....	3,125 00	33 00	3 30	36 30	8 00	3 30	11 30	7 66	3 30	10 96	11 97	3 30	15 27
Rockford	700 00	1,800 00	.....	2,500 00	33 22	6 09	39 31	12 07	6 09	19 16	11 11	6 09	17 20	16 45	6 09	22 54
Rogers	540 00	1,444 00	.....	1,984 00	22 50	20 02	42 52	12 85	20 02	32 87	9 46	20 02	29 48	12 10	20 02	32 12
Romeo	1,552 50	3,300 00	250 00	5,102 50	21 81	4 75	26 56	17 22	4 75	21 97	15 64	4 75	20 39	17 64	4 75	22 39
Roscommon	605 56	700 00	.....	1,305 56	26 32	4 59	30 91	11 66	4 59	16 25	7 77	4 59	12 36	13 32	4 59	17 91
Royal Oak	750 00	1,700 00	.....	2,450 00	33 33	7 95	41 28	16 25	7 95	24 20	5 63	7 95	13 58	10 99	7 95	18 94
St. Charles	950 00	2,900 00	.....	3,850 00	34 11	5 40	39 51	8 89	5 40	14 29	4 61	5 40	10 01	10 66	5 40	16 06
†St. Clair Heights	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Saline	900 00	2,185 00	.....	3,085 00	30 33	4 19	34 52	13 98	4 19	18 17	11 38	4 19	15 57	16 85	4 19	21 04
Sand Lake	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Saranac	650 00	2,025 00	.....	2,675 00	19 44	5 53	24 97	10 75	5 53	16 28	8 22	5 53	13 75	11 94	5 53	17 47
Saugatuck	900 00	1,382 75	.....	2,282 75	.....	.....	.....	.....	.....	.....	.....	.....	.....	11 30	10 89	22 19
Schoolcraft	1,000 00	1,854 00	.....	2,854 00	31 51	4 19	35 70	14 11	4 19	18 30	10 41	4 19	14 60	15 60	4 19	19 79
.....	600 00	2,182 50	.....	2,782 50	18 60	4 55	23 15	12 73	4 55	17 28	12 17	4 55	16 72	15 45	4 55	20 00
.....	700 00	1,725 00	.....	2,425 00	25 00	3 38	28 38	4 70	3 38	8 08	6 09	3 38	9 47	8 75	3 38	12 13
.....	800 00	2,897 50	.....	3,697 50	11 82	4 35	16 17	15 10	4 35	19 45	12 61	4 35	16 96	13 06	4 35	19 41
.....	630 00	1,620 00	.....	2,250 00	16 50	2 89	19 39	6 77	2 89	9 66	7 93	2 89	10 82	9 27	2 89	12 16
.....	585 00	945 00	.....	1,530 00	19 50	67	20 17	8 35	67	9 02	5 40	67	6 02	10 20	67	10 87
.....	630 00	1,040 00	.....	1,670 00	14 64	9 45	24 09	9 61	9 45	19 06	4 84	9 45	14 29	9 17	9 45	18 62
.....	495 00	1,005 00	.....	1,500 00	19 80	3 67	23 47	7 25	3 67	10 92	11 60	3 67	15 27	10 87	3 67	14 54

†Sibley																
†South Frankfort																
South Lyon	700 00	1,330 00		2,030 00									15 74	4 50	20 24	
Sparta	800 00	2,887 50		3,687 50	22 07	8 27	30 34	9 85	8 27	18 12	11 46	8 27	19 73	12 63	8 27	20 90
Spring Lake	700 00	1,332 00		2,032 00	28 32	12 51	40 83	13 63	12 51	26 14	8 95	12 51	21 46	15 28	12 51	27 79
Springport	600 00	1,450 00		2,050 00	38 26	7 87	46 13	11 08	7 87	18 95	11 87	7 87	19 74	20 00	7 87	27 87
Stambaugh	800 00	5,582 25		6,282 25										19 82	8 63	28 45
†Stephenson																
Stevensville	520 00	1,360 00		1,880 00	27 00	4 56	31 56	6 04	4 56	10 60	8 88	4 56	13 44	12 88	4 56	17 44
Stockbridge	700 00	1,436 00		2,136 00	15 00	5 05	20 05	10 00	5 05	15 05	10 00	5 05	15 05	12 57	5 05	17 62
Sunfield	475 00	997 50		1,472 50	18 26	5 10	23 36	9 77	5 10	14 87	8 31	5 10	13 41	13 39	5 10	18 49
Sutton's Bay	500 00	560 00		1,060 00	25 00	4 42	29 42	12 17	4 42	16 59	14 00	4 42	18 42	16 82	4 42	21 24
Tecumseh	1,050 00	5,250 00	400 00	6,700 00	19 98	3 87	23 85	11 16	3 87	15 03	13 30	3 87	17 17	14 50	3 87	18 37
Tekonsha	585 00	1,305 00		1,890 00	28 00	3 94	31 94	13 33	3 94	17 28	7 77	3 94	11 71	13 50	3 94	17 44
Thompsonville	675 00	2,047 60		2,722 60	28 00	4 04	32 04	7 30	4 04	11 34	11 10	4 04	15 14	12 60	4 04	16 64
Three Oaks	850 00	2,205 00	78 00	3,133 00	17 50	2 99	20 54	8 00	2 99	10 99	8 25	2 99	11 24	12 74	2 99	15 73
Trenton	550 00	2,464 80		3,014 18	16 35	10 12	26 47	12 67	10 12	22 79	8 70	10 12	18 82	11 33	10 12	21 45
Tustin	450 00	855 00		1,305 00	26 46	8 83	35 29	7 32	8 83	16 15	5 09	8 83	13 92	10 88	8 83	19 71
Twining																
†Ubly																
Union City	1,200 00	4,434 35		5,634 35	18 75	6 71	25 46	19 27	6 71	25 98	19 97	6 71	26 68	19 48	6 71	26 19
Unionville	600 00	975 00		1,575 00	18 39	6 14	24 53	7 50	6 14	13 64	4 00	6 14	10 14	7 95	6 14	14 09
Utica	800 00	1,400 00		2,200 00	30 80	8 54	39 34	11 28	8 54	19 82	10 14	8 54	18 68	15 38	8 54	23 92
Vandalia	500 00	900 00		1,400 00	18 95	3 84	22 79	8 75	3 84	12 59	8 70	3 84	12 54	13 46	3 84	17 30
†Vanderbilt																
Vassar	1,000 00	3,900 00	400 00	5,300 00	17 47	5 63	23 10	12 63	5 63	18 26	12 81	5 63	18 44	15 82	5 63	21 45
Vermontville	700 00	2,082 50		2,782 50	13 43	4 01	17 44	11 30	4 01	15 31	10 15	4 01	14 16	14 90	4 01	18 91
Vernon	600 00	900 00		1,500 00	21 42	4 22	25 64	9 37	4 22	13 59	7 79	4 22	12 01	12 82	4 22	17 04
Vicksburg	850 00	2,367 00		3,217 00	21 07	4 35	25 42	10 76	4 35	15 11	9 57	4 35	13 92	13 81	4 35	18 16
Wakefield	900 00	6,515 00		7,415 00										39 92	32 58	72 50
Waldron	550 00	540 00		1,090 00	27 50	2 69	30 19	8 18	2 69	10 87	6 75	2 69	9 44	11 72	2 69	14 41
Warren	450 00	270 00		720 00				7 61	85	8 46	5 71	85	6 56	6 86	85	7 71
Watervliet	810 00	2,250 00		3,060 00	30 70	3 77	34 47	19 00	3 77	22 77	6 40	3 77	10 17	12 29	3 77	16 06
Wayland	720 00	1,008 00		1,728 00	8 49	3 24	11 73	10 71	3 24	13 95	9 55	3 24	12 79	9 09	3 24	12 33
Wayne	1,200 00	3,425 00		4,625 00	25 29	5 18	30 47	10 97	5 18	16 15	7 90	5 18	13 08	14 82	5 18	20 00
Webberville	540 00	540 00		1,080 00	18 00	3 03	21 03	7 29	3 03	10 32	5 62	3 03	8 65	10 19	3 03	13 22
†Westphalia																
White Cloud	540 00	945 00		1,485 00	27 00	4 94	31 94	6 05	4 94	10 99	5 72	4 94	10 66	8 16	4 94	13 10
Whitehall	800 00	3,092 75	96 00	3,988 75	19 00	3 62	22 62	9 40	3 62	13 02	8 60	3 62	12 22	11 30	3 62	14 92
White Pigeon	816 00	1,790 00		2,606 00	25 00	12 18	37 18	24 00	12 18	36 18	15 00	12 18	27 18	19 10	12 18	31 28
Williamston	1,000 00	3,400 00	200 00	4,600 00	30 50	11 04	41 54	15 00	11 04	26 04	9 50	11 04	20 54	16 72	11 04	27 76
Wolverine	540 00	1,440 00		1,980 00	17 42	3 31	20 73	10 43	3 31	13 74	7 74	3 31	11 05	10 26	3 31	13 57
Woodland	450 00	630 00		1,080 00	17 30	7 92	25 22	14 31	7 92	22 23	9 00	7 92	16 92	13 01	7 92	20 93
†Woodmere																
Zeeland	800 00	3,040 00	425 00	4,265 00	28 46	3 83	32 29	6 96	3 83	10 79	6 68	3 83	10 51	11 53	3 83	15 36

¶ Report included with Calumet which is not incorporated. † Not legally graded.

TABLE XX.

Special report of the superintendents of city schools.

Incorporated cities.	No. of teachers in schools, including superintendent and special teachers.	No. of special teachers employed.	No. of instructors in manual training.	No. of instructors in penmanship.	No. of instructors in drawing.	No. of instructors in music.	No. of instructors in kindergarten.	No. of instructors in commercial course.	Are your teachers of music, drawing and kindergarten qualified according to Act No. 24 of 1905?	Are your other special teachers holders of certificates other than city certificates?	If not have they been granted city certificates?	Are all regular teachers holders of legal certificates of qualification?	No. holding certificates granted upon examination, or indorsed by the State board of education.	No. holding western normal school certificates.	No. holding northern normal school certificates.	No. holding central normal school certificates.	No. holding State normal college certificates.	No. holding certificates granted by State university under provisions of sec. 4804 of compiled laws.	No. holding college certificates granted according to sec. 4805 of compiled laws.	No. holding city certificates of first grade.	No. holding city certificates of second grade.	No. holding city certificates of third grade.	No. holding county certificates.	Portion of superintendent's time given to supervision.
Adrian	50	5	2	.....	1	1	.....	.....	Yes	No	Yes	Yes	.....	.....	.....	.....	.....	.....	.....	15	14	21	.....	All
Albion	27	3	.5	.....	.5	.5	.....	.....	Yes	Yes	.....	Yes	.....	.....	.....	2	15	1	7	.....	.....	.....	2	5-6
Alma	18	2	.....	.....	.5	.5	1	.....	Yes	.....	.....	Yes	2	.....	.....	1	6	2	1	.....	.....	.....	6	2-3
Alpena	46	3	1	.....	.....	1	.....	1	Yes	No	Yes	Yes	.....	.....	.....	.....	.....	.....	.....	6	15	25	.....	All
Ann Arbor	75	5	2	.....	1	1	.....	1	No	No	Yes	Yes	.....	.....	.....	.....	.....	.....	.....	24	22	29	.....	All
Au Gres	3	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1-10
Au Sable	9	.....	.....	.....	.....	.....	2	.....	Yes	.....	.....	Yes	1	.....	.....	.....	.....	.....	1	1	3	.....	3	1-3
Bad Axe	11	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Yes	.....	.....	.....	1	6	.....	.....	.....	.....	.....	4	1-4
Battle Creek	106	5	3	.....	1	1	.....	.....	Yes	No	Yes	Yes	.....	.....	1	.....	13	7	.....	6	63	.....	14	All
Bay City	194	9	1	.....	1	1	3	3	Yes	Yes	Yes	Yes	.....	.....	.....	2	6	19	.....	151	.....	16	.....	All
Beaverton	8	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Yes	1	.....	.....	1	.....	.....	1	.....	.....	.....	5	1-4
Belding	20	3	.....	.3	.3	.4	2	.....	Yes	Yes	.....	Yes	2	.....	.....	2	5	1	.....	4	3	.....	3	1-2
Benton Harbor	38	1	.....	.3	.4	.3	.....	.....	Yes	.....	.....	Yes	1	.....	.....	3	22	.....	.....	2	1	3	6	All
Bessemer	28	1	.....	.....	.5	.5	.....	.....	Yes	.....	.....	Yes	1	.....	1	.....	5	1	.....	.....	.....	.....	19	All
Big Rapids	28	1	.....	.3	.4	.3	.....	.....	No	No	Yes	Yes	3	.....	.....	.....	2	.....	2	.....	7	7	6	6-8
Cadillac	42	3	.....	.....	.5	.5	2	.....	Yes	.....	.....	Yes	1	.....	.....	6	17	1	3	5	6	.....	.....	All
Charlevoix	21	3	.....	.....	1	1	.....	1	Yes	Yes	.....	Yes	.....	.....	.....	6	6	1	4	.....	.....	.....	4	All
[illegible]	27	3	1	.....	.5	.5	.....	1	Yes	Yes	.....	Yes	1	.....	.....	.....	12	3	3	.....	2	4	.....	6-7
n	30	1	.....	.....	.5	.5	.....	.....	Yes	.....	.....	Yes	.....	.....	.....	2	2	1	.....	1	8	13	3	All
.....	11	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Yes	.....	.....	.....	1	3	.....	1	.....	.....	.....	6	1-4
.....	34	4	.4	.3	.5	.5	2	.3	Yes	No	Yes	Yes	1	.....	.....	.....	10	.....	.....	4	15	1	.....	6-7
.....	9	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Yes	1	.....	.....	2	.....	.....	.....	.....	.....	.....	6	3-8
.....	14	2	.....	.....	1	1	.....	.....	No	.....	Yes	Yes	.....	.....	.....	2	1	1	1	1	3	4	1	1-2
.....	7	.....	.....	.....	.....	.....	1	.....	Yes	.....	.....	Yes	1	.....	.....	.....	2	.....	.....	.....	.....	.....	4	1-4
.....	29	3	.....	.....	.5	.5	2	.....	Yes	.....	.....	Yes	4	.....	3	2	4	3	.....	.....	.....	.....	10	5-6
.....	1,080	121	25	.....	1	1	84	9	Yes	Yes	Yes	Yes	6	.....	.....	2	89	79	.....	894	.....	.....	10	All
[illegible]gac	29	2	.....	.....	.5	.5	1	.....	Yes	.....	.....	Yes	1	.....	.....	3	3	3	2	.....	15	2	.....	5-7
East Tawas	10	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Yes	.....	.....	.....	2	.....	.....	2	.....	.....	.....	6	1-2
Eaton Rapids	14	2	1	.....	.5	.5	.....	.....	Yes	Yes	.....	Yes	1	.....	.....	.....	7	.....	.....	.....	2	3	1	1-2
Escanaba	54	4	.....	.....	.5	.5	2	1	Yes	Yes	.....	Yes	3	.....	7	3	8	4	.....	5	6	14	.....	All

Flint	78	11		1	1	1	6	1	Yes	Yes	Yes	Yes									24	38		All
Gladstone	18	2					2		Yes			Yes					1				7			3-7
Gladwin	7	1					1		Yes			Yes	1										5	1-5
Grand Haven	31	5			.5	.5	3	1	Yes	Yes	Yes	Yes					2	1		11	1	5		6-7
Grand Ledge, 9 fr	10	1				1			Yes			Yes												1-2
Grand Ledge, 11 fr	6	1				1			Yes			Yes	1					1				2		1-10
Grand Rapids	422	52			3	1	32	4	Yes	No	Yes	Yes							106	171	97			All
Greenville	22	3			1	1		1	Yes	No	Yes	Yes					2		4	6	9			1-2
Hancock	26	2						2		Yes		Yes		5			6	1				6		6-7
Harrison	4											Yes	3											
Harrisville	4											Yes	1									3		1-6
Hastings	24	4	1		1	1			Yes	Yes	Yes	Yes	1				4	2		4	4	2		5-7
Hillsdale	30	5	1		1	1	2		No	Yes	Yes	Yes	1					3	2	5	6	2		3-5
Holland	41	5			1	1	3		Yes			Yes				20	3	2		3	7			All
Hudson	16	4					3		Yes	No	Yes	Yes				4		1		4	6			4-7
Ionia	32	7		1	1	1	3		Yes	Yes		Yes	1			17	1	2	5	6				2-7
Iron Mountain	65	4	2			1			No	No	Yes	Yes		6		10	2	1		30	5			All
Ironwood	67	16			1	1	14		Yes	Yes	Yes	Yes				10	3		6	23	3			All
Ishpeming	77	12	2	1	1	1	5	2	Yes	Yes	Yes	Yes		5		7	2	2	27	23	11			All
Jackson	101	2			1	1			Yes			Yes							15	31	55			All
Kalamazoo	143	24	7		1	1	14	1	Yes	Yes	Yes	Yes	1		2		15	8	10	21	35	33	2	All
Lansing	89	4	2		1	1			No	No	Yes	Yes				2	17	5	5	28	31	1		All
Lapeer	20	2			1	1		1	No	Yes	Yes	Yes				1	7	1			8		2	2-3
Ludington	47	3	1		1	1			Yes	No	Yes	Yes				3	16	2	2	2	12	9		All
Mackinac Island	4											Yes											4	1-10
Manistee	76	13		1	1	1	6	4	Yes	Yes		Yes	4			2	6			39	20	5		All
Manistique	30	5			.5	.5	3	1	No	Yes	Yes	Yes			2		7	1	3	3	5	9		6-7
Marine City	18	1			.5	.5			Yes			Yes	1			2	7	1					6	5-7
Marquette	59	9.8	3		1	1	4	.8	No	No	Yes	Yes	1		13		2	6		9	12	16		All
Marshall	28	2	.5		.5	1			Yes	Yes		Yes				2	7	4		5	4	4		5-7
Mason	14	1			.5	.5			Yes			Yes	1							8	3	2		4-7
Menominee	62	8	1		.5	.5	6		Yes		Yes	Yes	1							11	15	28		All
Midland	17											Yes								5	5	7		4-7
Monroe	22	1		.3	.4	.3			No	No	Yes	Yes				5	3			2	4	7	1	All
Mt. Clemens	34	7			.5	.5	5	1	Yes	Yes		Yes	4			1	6	6		1	3	9	4	7-8
Mt. Pleasant	18	2			.5	.5		1	Yes			Yes								7	4	5		5-7
Muskegon	126	30	16		1	1	10	2	No	No	Yes	Yes	1				6	3		33	56	24	3	All
Muskegon Heights	8	1					1		Yes			Yes	1			1	1						5	1-2
Negaunee	35	4			.5	.5	2	1	Yes	No	Yes	Yes	3		12		3	2	2	2	5	6		All
Niles	26	1			.5	.5			Yes			Yes					4	4	1	1	1	6	8	5-6
North Muskegon	2											Yes										2		
Norway	26	2	1		.5	.5			Yes	No	Yes	Yes			9		4	3		2	1	5		2-3
Omer	4											Yes										4		1-10
Onaway	11											Yes					1					10		2-5
Owosso	49	2			1	1			Yes			Yes	1		1	1	16	6		4	6	7	7	All

TABLE XX.—CONCLUDED.

Incorporated cities.	No. of teachers in schools, including superintendent and special teachers.	No. of special teachers employed.	No. of instructors in manual training.	No. of instructors in penmanship.	No. of instructors in drawing.	No. of instructors in music.	No. of instructors in kindergarten.	No. of instructors in commercial course.	Are your teachers of music, drawing and kindergarten qualified according to Act No. 24 of 1903?	Are your other special teachers holders of certificates other than city certificates?	If not have they been granted city certificate?	Are all regular teachers holders of legal certificates of qualification?	No. holding certificates granted upon examination, or indorsed by the State board of education.	No. holding western normal school certificates.	No. holding northern normal school certificates.	No. holding central normal school certificates.	No. holding State normal college certificates.	No. holding college certificates granted by State university under provisions of sec. 4804 of compiled laws.	No. holding college certificates granted according to sec. 4805 of compiled laws.	No. holding city certificates of first grade.	No. holding city certificates of second grade.	No. holding city certificates of third grade.	No. holding county certificates.	Portion of superintendent's time given to supervision.
Petoskey	33	3	...	...	1	1	...	1	Yes	No	Yes	Yes	...	...	...	3	7	...	3	3	8	8	...	All
Pontiac	48	6	1	...	.5	1.5	4	...	Yes	...	...	Yes	...	...	...	8	15	10	1	...	4	4	6	All
Port Huron	85	3	...	...	...	...	...	2	Yes	Yes	...	Yes	1	...	...	2	8	12	...	2	24	...	36	All
Rose City	5	...	...	...	...	...	...	...	...	...	...	Yes	4	...	...	...	...	...	1	...	...	...	...	...
Saginaw	157	21.5	...	...	...	...	...	...	No	No	Yes	Yes	...	...	...	...	...	...	...	157	...	...	...	All
W. S.	82	7	4	...	1	1	...	1	Yes	Yes	...	Yes	1	...	...	1	6	4	8	60	...	...	3	All
	5	...	...	...	...	...	...	...	...	...	...	Yes	...	...	...	...	2	...	1	...	...	...	2	All
Marie	62	...	2	...	.5	1	3	1	Yes	Yes	...	Yes	4	...	3	.5	26	4	3	10	7	7	...	All
	24	1	...	.5	.5	.5	...	...	Yes	Yes	...	Yes	1	...	...	...	5	...	2	2	6	6	...	5-7
ren	16	1.5	...	...	.5	.5	.5	...	No	...	Yes	...	...	...	...	1	4	1	...	3	3	3	...	5-7
	10	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	3	1	...	...	...	...	6	1-5
ce	26	1	...	...	.5	.5	1	1	Yes	Yes	...	Yes	1	...	...	1	11	1	1	...	...	1	7	3-4
ohns	32	2	...	...	...	...	...	1	No	No	...	Yes	1	...	...	1	7	1	...	3	...	5	12	All
St. Joseph	17	7	...	1	.5	.5	4	1	Yes	Yes	Yes	Yes	...	...	...	...	2	...	...	...	...	10	...	1-2
St. Louis	9	3	...	...	...	...	1	1	...	...	...	Yes	...	...	...	...	3	...	...	...	...	...	...	1-2
Standish	10	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	6	...
Stanton	8	1	...	...	.3	.3	.4	...	Yes	...	...	Yes	...	...	...	1	4	...	...	...	1	...	1	1-2
Sturgis	17	2	...	...	.5	.5	1	...	Yes	...	...	Yes	1	...	...	1	5	...	1	...	...	...	10	4-7
Tawas City	9	...	...	...	...	...	...	...	...	...	...	Yes	...	...	...	...	...	1	1	...	...	...	6	1-5
Three Rivers	28	6	...	...	.5	.5	4	1	...	...	Yes	Yes	...	...	...	13	15	...	...	11	6	11	...	3-4
Traverse City	61	9	...	.5	.5	1	6	1	Yes	Yes	...	Yes	1	1	...	...	...	4	3	2	4	9	...	All
	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
*West Bay City	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...	7	1-8
West Branch	9	...	...	...	...	...	...	...	...	...	...	Yes	...	...	...	...	20	3	2	1	...	...	...	All
Wyandotte	30	5	...	...	1	1	3	...	Yes	...	...	Yes	4	...	...	...	...	...	...	...	...	...	10	1-7
Yale	10	...	...	...	...	...	...	...	...	...	...	Yes	...	...	...	...	3	4	...	...	...	...	...	7-8
Ypsilanti	34	5	2	...	1	1	1	...	No	No	Yes	Yes	...	...	...	...	19	...	...	2	4	1	1	

* Consolidated with Bay City at the 1903 session of the legislature. See local act 514.

TABLE XXI.

Receipts and expenditures at teachers' institutes for the calendar year 1905.

Counties.	Location.	Date.	Receipts.		Expenditures.			Totals.
			County.	State.	Compensation of instructors and local committee.	Expenses of instructors.	Other expenses.	
Totals			$10,053 09	$2,149 11	$8,954 69	$1,872 92	$1,374 59	$12,202 20
Alcona	Harrisville	Oct. 26-28	$39 50	$69 33	$68 00	$32 90	$7 93	$108 83
Alger and Luce	Munising	May 18-20	85 15	.....	74 00	8 70	2 45	85 15
Allegan	Saugatuck	April 7-8	77 20	.....	59 00	18 20	.....	77 20
Alpena	Alpena	July 31-Aug. 4	82 50	28 66	80 00	26 16	5 00	111 16
Antrim	Bellaire	Aug. 14-18	52 40	90 53	105 00	37 93	.....	142 93
Arenac	Standish	Feb. 16-18	11 50	.....	5 00	6 50	.....	11 50
	Standish	Oct. 2-6	24 50	57 82	60 00	12 32	10 00	82 32
Baraga	Baraga	Oct. 23-25	25 50	67 30	78 00	11 80	3 00	92 80
Barry	Hastings	Jan. 9-14	42 86	.....	41 00	1 86	.....	42 86
	Hastings	Feb. 17-18	89 83	.....	47 00	16 83	26 00	89 83
Bay	Pinconning	Feb. 24-25	80 82	.....	49 00	18 15	13 67	80 82
	Bay City	Aug. 28-Sept. 1	120 98	86 81	130 00	34 69	43 10	207 79
Benzie	Benzonia	Mar. 6-8	63 00	27 78	68 00	17 28	5 50	90 78
Berrien	St. Joseph	Nov. 10-11	175 00	.....	143 00	22 63	9 37	175 00
Branch	Coldwater	Jan. 27-28	59 58	.....	32 00	13 33	14 25	59 58
Calhoun	Battle Creek	Dec. 8-9	132 85	.....	69 00	33 60	30 25	132 85
Cass	Dowagiac	May 13	29 84	.....	27 00	2 84	.....	29 84
	Cassopolis	July 31-Aug. 4	67 06	38 68	80 00	11 19	14 55	105 74
	Cassopolis	Oct. 13-14	48 50	22 06	57 00	12 56	1 00	70 56
Charlevoix	Boyne City	July 31-Aug. 4	82 00	76 12	115 00	30 12	13 00	158 12
Cheboygan	Cheboygan	July 10-Aug. 4	84 50	90 50	170 00	5 00	.....	175 00
	Cheboygan	Nov. 10-11	59 50	.....	45 00	14 50	.....	59 50
Chippewa	Sault Ste. Marie	Mar. 6-8	70 50	49 76	68 00	6 50	45 76	120 26
Clare	Farwell	Oct. 5-7	71 00	30 20	71 00	20 20	10 00	101 20
Crawford	Grayling	Jan. 27-28	30 00	23 00	27 00	13 50	12 50	53 00
Delta	Escanaba	Nov. 1-4	146 90	.....	103 00	30 65	13 25	146 90
Dickinson	Iron Mountain	Oct. 20-21	48 82	.....	32 00	6 17	10 65	48 82
Eaton	Eaton Rapids	Nov. 2-4	110 25	.....	81 00	15 00	14 25	110 25
Emmet	Petoskey	May 19	28 21	.....	16 00	8 96	3 25	28 21
Genesee	Flint	May 27	41 75	.....	26 00	10 25	5 50	41 75

TABLE XXI.—Concluded.

Counties.	Location.	Date.	Receipts.		Expenditures.			Totals.
			County.	State.	Compensation of instructors and local committee.	Expenses of instructors.	Other expenses.	
Gogebic	Ironwood	Sept. 27-29	$80 00		$48 00	$28 50	$3 50	$80 00
Grand Traverse	Traverse City	Oct. 16-18	108 54		71 00	19 54	18 00	108 54
Gratiot	Ithaca	May 12-13	43 35		20 00	11 90	11 45	43 35
Hillsdale	Hillsdale	Feb. 17-18	71 67		52 00	9 67	10 00	71 67
	Hillsdale	July 31-Aug. 9	248 71		205 00	16 58	27 13	248 71
Huron	Bad Axe	Nov. 9-11	139 12		81 00	28 43	29 69	139 12
Ingham	Mason	Aug. 21-Sept. 1	285 04		225 00	23 77	36 27	285 04
	Lansing	Sept. 29-30		$61 51	47 00	14 51		61 51
Ionia	Ionia	Mar. 30-April 1	93 87		71 00	9 47	13 40	93 87
	Muir	Nov. 3-4	40 32		24 00	7 02	9 30	40 32
	Ionia	Dec. 1-2	75 90		59 00	9 70	7 20	75 90
Iosco	Oscoda	April 28-29	16 00		2 44	13 56		16 00
	Tawas City	Nov. 3-4	16 00	42 44	49 00	9 44		58 44
Iron	Iron River	Oct. 12-14	35 50	100 00	83 88	48 32	3 30	135 50
Isabella	Mt. Pleasant	Mar. 3-4	33 12		17 00	1 62	14 50	33 12
	Mt. Pleasant	June 26-Aug. 4	102 85		90 00		12 85	102 85
Jackson	Cement City	Feb. 17-18	19 00		9 00	4 20	5 80	19 00
	Munith	Mar. 3-4	35 90		24 00	1 62	10 28	35 90
	Hanover	Mar. 10-11	27 62		14 00	6 12	7 50	27 62
	Jackson	Nov. 6-11	150 37		82 00	16 36	52 01	150 37
oo	Kalamazoo	Jan. 13-14	100 00		79 39	10 61	10 00	100 00
	Kalamazoo	Dec. 8-9	101 63		77 00	11 63	13 00	101 63
	Grand Rapids	Feb. 16	55 00		55 00			55 00
	Caledonia and Grandville	Feb. 15-17	101 09		74 00		27 09	101 09
	Rockford and Lowell	Mar. 22-24	112 01		96 00		16 01	112 01
	Grand Rapids	Aug. 21-25	178 87		155 00	18 87	5 00	178 87
Lapeer	Lapeer	Oct. 30-Nov. 4	113 33		80 00	19 28	14 05	113 33
Leelanau	Sutton's Bay	Oct. 16-18	41 00	78 55	73 00	33 98	12 57	119 55
Lenawee	Adrian	Feb. 3-4	74 00		54 00	3 00	17 00	74 00
	Adrian	Aug. 21-25	183 19		135 00	23 63	24 56	183 19
Livingston	Howell	July 31-Aug. 9	171 00	73 18	212 00	19 38	12 80	244 18
Mackinac	St. Ignace	Oct. 9-13	63 00	68 85	85 00	35 10	11 75	131 85
Macomb	Mt. Clemens	Feb. 17-18	102 05		74 00	22 30	5 75	102 05
	New Baltimore	Nov. 3-4	73 00		44 00	10 00	19 00	73 00
Marquette	Marquette	Mar. 30-April 1	155 35		101 00	41 35	13 00	155 35
Mason	Ludington	April 21-22	58 43		28 47	29 96		58 43
	Ludington	July 28-29	36 00		22 00	14 00		36 00

Mecosta	Big Rapids	July 3-Aug. 11	182 00	48 00	230 00			230 00
Menominee	Menominee	July 24-Aug. 9	103 50	100 00	195 00	4 50	4 00	203 50
Midland	Midland	Aug. 7-9	57 00	27 03	68 00	7 53	8 50	84 03
Missaukee	McBain	Jan. 27-28	28 94	4 72	27 00	3 51	3 15	33 66
	Jennings	May 11-12	20 75	26 90	29 00	12 75	5 90	47 65
Monroe	Monroe	Aug. 28-Sept. 1	128 16	56 10	130 00	25 62	28 64	184 26
	Monroe	Dec. 8-9	63 69		47 00	7 44	9 25	63 69
Montcalm	Greenville	Aug. 14-18	142 33	39 82	141 00	32 42	8 73	182 15
Montmorency	Atlanta	Oct. 2-5	28 50	73 49	85 00	14 99	2 00	101 99
Muskegon	Muskegon	July 31-Aug. 9	230 42		192 00	28 97	9 45	230 42
Newaygo	Fremont	April 7-8	60 41		35 00	23 41	2 00	60 41
	Fremont	Nov. 9-11	78 10	6 23	63 00	16 83	4 50	84 33
Oakland	Pontiac	Oct. 27-28	68 16		49 00	8 86	10 30	68 16
Oceana	Hart	Aug. 7-9	42 50	63 57	68 00	35 07	3 00	106 07
Ogemaw	West Branch	Aug. 28-Sept. 1	34 00	70 20	80 00	23 20	1 00	104 20
Ontonagon	Ewen	Feb. 23-25	38 00	72 55	88 00	16 30	6 25	110 55
Osceola	Evart	Mar. 3-4	36 26		25 00	3 50	7 76	36 26
	Reed City	Dec. 1-2	78 29		47 00	22 89	8 40	78 29
Saginaw	Saginaw	Feb. 9-10	233 92		122 00	67 12	44 80	233 92
	St. Charles	Oct. 26-28	117 50		61 00	18 72	37 78	117 50
Oscoda	Mio	Mar. 16-18	9 00	70 00	40 00	34 35	4 65	79 00
Otsego	Gaylord	Sept. 28-30	56 00	28 93	63 00	16 17	5 76	84 93
Ottawa	Holland	Feb. 10-11	73 33		49 00	17 08	7 25	73 33
	Coopersville	Feb. 17-18	87 60		47 00	25 40	15 20	87 60
Presque Isle	Rogers	Oct. 30-Nov. 3	19 75	100 00	85 00	25 00	9 75	119 75
St. Clair	Port Huron	July 31-Aug. 9	192 00	39 95	204 00	21 65	6 30	231 95
St. Joseph	Centreville	Feb. 11	84 57		52 00	14 83	17 74	84 57
	Constantine	Oct. 6-7	44 18		29 00	4 98	10 20	44 18
Sanilac	Sanilac Center	Aug. 21-25	226 08		150 00	70 08	6 00	226 08
Schoolcraft	Manistique	Nov. 27-29	67 50	35 40	68 00	11 40	23 50	102 90
Shiawassee	Owosso	Aug. 7-9	125 50		101 00	13 00	11 50	125 50
Tuscola	Cass City	Aug. 21-25	157 28	38 39	135 00	32 28	28 39	195 67
Van Buren	Lawton	Nov. 20-25	108 68		70 00	11 59	27 09	108 68
Washtenaw	Ypsilanti	June 26-July 14	221 26		211 51		9 75	221 26
	Detroit	Jan. 27-28	228 63		154 00	38 68	35 95	228 63
	Detroit	Feb. 4	210 50		195 00		15 50	210 50
	Detroit	Mar. 15	215 43		185 00	14 18	16 25	215 43
	Detroit	May 20	71 04		35 00	23 30	12 74	71 04
Wayne	Detroit	June 23	30 00		30 00			30 00
	Detroit	Oct. 7	80 00		80 00			80 00
	Wayne	Oct. 7	53 61		32 00	7 61	14 00	53 61
	Detroit (six lectures)	Nov. 15-Dec. 20	240 50		230 00		10 50	240 50
	Plymouth	Dec. 11-15	159 89		80 00	17 14	62 75	159 89
Wexford	Mesick	April 15	29 94		12 00	7 44	10 50	29 94
	Manton	Oct. 9-14	64 56	64 75	90 00	19 39	19 92	129 31

TABLE XIX.—CONTINUED.

Incorporated villages.	Amount paid superintendent.	Amount paid regular teachers.	Amount paid special teachers.	Total amount paid for instruction.	Cost of education per capita in—											
					High school.			Grammar department.			Primary department.			Whole school.		
					Instruction.	Incidentals.	Total.	Instruction.	Incidentals.	Total.	Instruction.	Incidentals.	Total.	Instruction.	Incidentals.	Total.
Mancelona	$900 00	$4,500 00	.....	$5,400 00	$15 27	$7 59	$22 86	$12 27	$7 59	$19 86	$12 36	$7 59	$19 95	$10 89	$7 59	$18 48
Manchester	1,000 00	2,890 00	.....	3,890 00	22 00	2 85	24 85	10 64	2 85	13 49	9 90	2 85	12 75	13 70	2 85	16 55
Manton	630 00	2,295 00	.....	2,925 00	27 00	4 11	31 11	12 03	4 11	16 14	7 50	4 11	11 61	11 40	4 11	15 51
Maple Rapids	700 00	1,100 00	.....	1,800 00	18 03	4 12	22 15	10 60	4 12	14 72	8 53	4 12	12 65	13 33	4 12	17 45
Marcellus	800 00	2,070 00	.....	2,870 00	29 00	9 51	38 51	8 70	9 51	18 21	9 49	9 51	19 00	13 90	9 51	23 41
Marion	585 00	1,269 00	.....	1,854 00	18 30	7 15	25 45	7 24	7 15	14 39	5 46	7 15	12 61	7 68	7 15	14 83
†Marlborough	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Mariette	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
†Maybee	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Mayville	700 00	1,450 00	.....	2,150 00	22 00	5 41	27 41	5 83	5 41	11 24	7 36	5 41	12 77	10 49	5 41	15 90
McBain	585 00	1,575 00	.....	2,160 00	29 00	3 06	32 06	7 86	3 06	10 92	7 77	3 06	10 83	10 59	3 06	13 65
McBrides	650 00	617 50	.....	1,267 50	18 56	2 65	21 21	9 22	2 65	11 87	5 58	2 65	8 23	10 39	2 65	13 04
Mecosta	540 00	567 00	.....	1,107 00	13 84	3 38	17 22	9 54	3 38	12 92	12 00	3 38	15 38	12 03	3 38	15 41
Memphis	650 00	1,425 00	.....	2,075 00	38 94	6 11	15 05	8 33	6 11	14 44	8 82	6 11	14 93	13 13	6 11	19 24
Mendon	700 00	1,944 00	.....	2,644 00	18 00	4 94	22 94	10 00	4 94	14 94	9 00	4 94	13 94	15 64	4 94	20 58
†Merrill	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Mesick	450 00	945 00	.....	1,395 00	28 07	20 07	48 14	10 41	20 07	30 48	8 87	20 07	28 94	15 00	20 07	35 07
Metamora	725 00	650 00	.....	1,375 00	20 13	9 36	29 49	13 20	9 36	22 56	9 14	9 36	18 50	14 32	9 36	23 68
Middleville	850 00	2,150 00	.....	3,000 00	30 31	5 35	35 66	10 65	5 35	16 00	10 96	5 35	16 31	16 39	5 35	21 74
Milan	900 00	2,700 00	.....	3,600 00	24 00	3 79	27 79	10 30	3 79	14 09	8 00	3 79	11 79	12 08	3 79	15 87
Milford	950 00	2,315 00	.....	3,265 00	47 28	6 58	53 86	11 29	6 58	17 87	10 49	6 58	17 07	18 45	6 58	25 03
Millersburg	600 00	1,375 00	.....	1,975 00	.....	.....	.....	20 21	5 64	25 85	7 02	5 64	12 66	10 23	5 64	15 87
Millington	600 00	950 00	.....	1,550 00	12 95	7 03	19 98	9 09	7 03	16 12	4 92	7 03	11 95	8 71	7 03	15 74
Minden	495 00	516 00	.....	1,011 00	12 07	3 91	15 98	6 66	3 91	10 57	3 48	3 91	7 39	6 97	3 91	10 86
Montague	675 00	1,844 50	$90 00	2,609 50	18 62	12 93	31 55	7 14	12 93	20 07	7 52	12 93	20 45	11 86	12 93	24 79
†Montrose	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Morenci	1,000 00	1,827 00	.....	2,827 00	18 92	3 10	22 02	8 94	3 10	12 04	6 18	3 10	9 28	11 13	3 10	14 23
Morley	465 00	549 00	.....	1,014 00	8 60	5 03	13 63	10 39	5 03	15 42	9 96	5 03	14 99	10 14	5 03	15 17
Morrice	617 50	926 25	.....	1,543 75	.....	.....	.....	.....	.....	.....	.....	.....	.....	13 66	4 51	18 17
Mt. Morris	775 00	1,050 00	.....	1,825 00	14 92	5 74	20 66	9 16	5 74	14 90	6 14	5 74	11 88	10 20	5 74	15 94

†Mulliken																
Munising	1,300 00	7,480 00	500 00	9,280 00	19 00	6 21	25 21	17 00	6 21	23 21	16 00	6 21	22 21	15 46	6 21	21 67
Muir	540 00	809 25	.....	1,349 25	38 57	4 98	43 55	11 25	4 98	16 23	10 17	4 98	15 15	14 83	4 98	19 81
Nashville	900 00	2,820 00	120 00	3,740 00	15 00	2 17	17 17	12 00	2 17	14 17	10 00	2 17	12 17	13 91	2 17	16 08
†Naubinway																
Newaygo	850 00	2,725 90	.....	3,575 90	19 02	22 79	41 81	24 66	22 79	47 45	30 98	22 79	53 77	30 30	22 79	53 09
New Baltimore	752 12	1,723 00	.....	2,475 12	35 61	13 19	48 80	9 07	13 19	22 26	8 47	13 19	21 66	14 56	13 19	27 75
Newberry	1,200 00	7,942 50	.....	9,142 50	.....	.....	.....	.....	.....	.....	.....	.....	.....	21 46	15 04	36 50
†New Boston																
New Buffalo	675 00	995 00	.....	1,670 00	16 87	9 64	26 51	18 75	9 64	28 39	5 67	9 64	15 31	9 66	9 64	19 30
New Haven	495 00	729 00	.....	1,224 00	15 01	12 35	27 36	11 53	12 35	23 88	6 64	12 35	18 89	11 33	12 35	23 68
North Adams	600 00	1,045 00	.....	1,645 00	18 00	4 53	22 53	7 55	4 53	12 08	11 08	4 53	15 61	12 86	4 53	17 39
North Branch	800 00	1,650 00	.....	2,450 00	22 90	13 04	35 94	11 50	13 04	24 54	9 00	13 04	22 64	13 69	13 04	26 73
Northport	650 00	1,432 00	.....	2,082 00	36 11	5 56	41 67	7 37	5 56	12 93	7 96	5 56	13 52	11 90	5 56	17 46
Northville	1,100 00	4,129 00	.....	5,229 00	30 18	3 23	33 41	12 22	3 23	15 45	7 74	3 23	10 97	13 34	3 23	16 57
Oakley	405 00	225 00	.....	630 00	.....	.....	.....	15 00	2 22	17 22	6 81	2 22	9 03	10 32	2 22	12 55
Olivet	750 00	1,760 00	150 00	2,660 00	15 00	4 40	19 40	10 00	4 40	14 40	9 00	4 40	13 40	14 30	4 40	18 70
Onekama	540 00	630 00	.....	1,170 00	15 88	5 37	21 25	8 28	5 37	13 65	6 56	5 37	11 93	9 75	5 37	15 12
Ontonagon	675 00	1,934 50	.....	2,609 50	18 62	6 11	24 73	7 14	6 11	13 25	7 52	6 11	13 63	11 86	6 11	17 97
Orion	600 00	1,575 00	.....	2,175 00	26 93	15 16	42 09	10 75	15 16	25 91	9 44	15 16	24 60	14 03	15 16	29 19
Ortonville	700 00	640 00	.....	1,340 00	20 00	3 95	23 95	10 66	3 95	14 61	8 42	3 95	12 37	13 01	3 95	16 96
Oscoda	585 00	1,395 00	.....	1,980 00	18 95	5 13	24 08	7 40	5 13	12 53	5 76	5 13	10 89	7 98	5 13	13 12
Otisville	600 00	600 00	.....	1,200 00	13 90	1 64	15 54	7 50	1 64	9 14	4 88	1 64	6 52	8 89	1 64	10 53
Otsego	1,300 00	4,754 25	279 00	6,333 25	22 55	4 49	27 04	8 53	4 49	13 02	9 61	4 49	14 10	13 89	4 49	18 38
Otter Lake	360 00	270 00	.....	630 00	.....	.....	.....	12 00	1 77	13 77	9 00	1 77	10 77	10 50	1 77	12 27
Ovid	1,000 00	3,250 00	120 00	4,370 00	20 00	5 42	25 42	11 00	5 42	16 42	10 95	5 42	16 37	15 07	5 42	20 49
Owendale	405 00	.....	.....	405 00	.....	.....	.....	.....	.....	.....	.....	.....	.....	6 43	1 23	7 66
Oxford	850 00	2,920 00	.....	3,770 00	27 24	8 52	35 76	19 67	8 52	28 19	9 52	8 52	18 04	18 43	8 52	26 95
Parma	650 00	1,437 75	180 00	2,267 75	24 02	15 88	39 90	14 21	15 88	30 09	11 80	15 88	27 68	18 28	15 88	34 16
Paw Paw	1,200 00	3,391 80	.....	4,591 80	19 69	9 66	29 35	7 00	9 66	16 66	7 87	9 66	17 53	13 23	9 66	22 89
†Peck																
Pentwater	900 00	2,580 00	.....	3,480 00	17 07	6 55	23 62	11 41	6 55	17 96	11 75	6 55	18 30	11 88	6 55	18 43
†Perrinton																
Perry	800 00	1,675 00	.....	2,475 00	25 00	25 70	50 70	11 00	25 70	36 70	9 00	25 70	34 70	17 68	25 70	43 38
Petersburg	567 00	1,215 00	.....	1,782 00	17 71	4 50	22 21	9 77	4 50	14 27	7 07	4 50	11 57	12 04	4 50	16 54
Pewamo	540 00	540 00	.....	1,080 00	15 00	18 34	33 54	8 43	18 54	26 97	7 10	18 54	25 64	10 19	18 54	28 73
Pierson	450 00	270 00	.....	720 00	.....	.....	.....	8 33	2 07	10 40	7 71	2 07	9 78	7 58	2 07	9 65
Pigeon	650 00	1,050 00	.....	1,700 00	18 52	21	18 73	5 55	21	5 76	5 10	21	5 33	7 27	21	7 48
Pinckney	700 00	950 00	.....	1,650 00	30 88	4 64	35 52	14 04	4 64	18 68	5 77	4 64	10 41	15 00	4 64	19 64
Pinconning																
Plainwell	1,100 00	3,042 50	.....	4,142 50	24 57	6 35	30 92	11 61	6 35	17 96	6 84	6 35	13 19	14 04	6 35	20 39
Plymouth	1,000 00	3,670 00	307 50	4,977 50	20 50	3 56	24 06	13 30	3 56	16 86	12 20	3 56	15 76	15 17	3 56	18 73
rt Austin	700 00	1,250 00	.....	1,950 00	46 66	5 57	52 23	11 36	5 57	16 93	5 59	5 57	11 16	10 10	5 57	15 67
rt Hope	575 00	600 00	.....	1,175 00	22 11	2 77	24 88	11 54	2 77	14 31	13 63	2 77	16 40	15 87	2 77	18 64
rtland	900 00	4,660 00	100 00	5,660 00	20 24	4 65	24 89	13 43	4 65	18 08	10 41	4 65	15 06	14 47	4 65	19 12

† Not legally graded.

TABLE XIX.—Concluded.

Incorporated villages.	Amount paid superintendent.	Amount paid regular teachers.	Amount paid special teachers.	Total amount paid for instruction.	Cost of education per capita in—											
					High school.			Grammar department.			Primary department.			Whole school.		
					Instruction.	Incidentals.	Total.	Instruction.	Incidentals.	Total.	Instruction.	Incidentals.	Total.	Instruction.	Incidentals.	Total.
Port Sanilac	$495 00	$540 00	.....	$1,035 00	$13 10	$2 71	$15 81	$9 31	$2 71	$12 02	$6 58	$2 71	$9 29	$9 95	$2 71	$12 66
Potterville	450 00	755 50	.....	1,205 50	11 84	2 51	14 35	11 70	2 51	14 21	9 67	2 51	12 18	11 06	2 51	13 57
Quincy	1,000 00	2,650 00	.....	3,650 00	28 87	6 95	35 82	7 89	6 95	14 84	8 90	6 95	15 85	14 15	6 95	21 10
Reading	1,100 00	2,176 50	.....	3,276 50	24 26	4 63	28 89	9 51	4 63	14 14	6 60	4 63	11 23	13 60	4 63	18 23
¶Red Jacket	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Reed City	1,100 00	5,243 00	.....	6,343 00	21 97	4 03	26 00	10 16	4 03	14 19	9 87	4 03	13 90	13 26	4 03	17 29
†Reese	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Richland	540 00	1,016 25	.....	1,556 25	19 76	6 56	26 32	17 82	6 56	24 38	10 50	6 56	17 06	16 73	6 56	23 29
Richmond	750 00	1,981 50	.....	2,731 50	39 80	5 95	45 75	11 82	5 95	17 77	10 58	5 95	16 53	15 79	5 95	21 74
River Rouge	855 00	5,761 75	$403 75	7,020 50	18 60	9 73	28 33	15 85	9 73	25 58	9 24	9 73	18 97	13 37	9 73	23 10
Rochester	950 00	2,175 00	.....	3,125 00	33 00	3 30	36 30	8 00	3 30	11 30	7 66	3 30	10 96	11 97	3 30	15 27
Rockford	700 00	1,800 00	.....	2,500 00	33 22	6 09	39 31	12 07	6 09	19 16	11 11	6 09	17 20	16 45	6 09	22 54
Rogers	540 00	1,444 00	.....	1,984 00	22 50	20 02	42 52	12 85	20 02	32 87	9 46	20 02	29 48	12 10	20 02	32 12
Romeo	1,552 50	3,300 00	250 00	5,102 50	21 81	4 75	26 56	17 22	4 75	21 97	15 64	4 75	20 39	17 64	4 75	22 39
ommon	605 56	700 00	.....	1,305 56	26 32	4 59	30 91	11 66	4 59	16 25	7 77	4 59	12 36	13 32	4 59	17 91
.....	750 00	1,700 00	.....	2,450 00	33 33	7 95	41 28	16 25	7 95	24 20	5 63	7 95	13 58	10 99	7 95	18 94
.....	950 00	2,900 00	.....	3,850 00	34 11	5 40	39 51	8 89	5 40	14 29	4 61	5 40	10 01	10 66	5 40	16 06
ights	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
.....	900 00	2,185 00	.....	3,085 00	30 33	4 19	34 52	13 98	4 19	18 17	11 38	4 19	15 57	16 85	4 19	21 04
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
.....	650 00	2,025 00	.....	2,675 00	19 44	5 53	24 97	10 75	5 53	16 28	8 22	5 53	13 75	11 94	5 53	17 47
uck	900 00	1,382 75	.....	2,282 75	.....	.....	.....	.....	.....	.....	.....	.....	.....	11 30	10 89	22 19
Schoolcraft	1,000 00	1,854 00	.....	2,854 00	31 51	4 19	35 70	14 11	4 19	18 30	10 41	4 19	14 60	15 60	4 19	19 79
Scottville	600 00	2,182 50	.....	2,782 50	18 60	4 55	23 15	12 73	4 55	17 28	12 17	4 55	16 72	15 45	4 55	20 00
Sebewaing	700 00	1,725 00	.....	2,425 00	25 00	3 38	28 38	4 70	3 38	8 08	6 09	3 38	9 47	8 75	3 38	12 13
Shelby	800 00	2,897 50	.....	3,697 50	11 82	4 35	16 17	15 10	4 35	19 45	12 61	4 35	16 96	13 06	4 35	19 41
Shepherd	630 00	1,620 00	.....	2,250 00	16 50	2 89	19 39	6 77	2 89	9 66	7 93	2 89	10 82	9 27	2 89	12 16
Sheridan	585 00	945 00	.....	1,530 00	19 50	67	20 17	8 35	67	9 02	5 40	67	6 02	10 20	67	10 87
Sherman	630 00	1,040 00	.....	1,670 00	14 64	9 45	24 09	9 61	9 45	19 06	4 84	9 45	14 29	9 17	9 45	18 62
Sherwood	495 00	1,005 00	.....	1,500 00	19 80	3 67	23 47	7 25	3 67	10 92	11 60	3 67	15 27	10 87	3 67	14 54

†Sibley																
†South Frankfort																
South Lyon	700 00	1,330 00		2,030 00										15 74	4 50	20 24
Sparta	800 00	2,887 50		3,687 50	22 07	8 27	30 34	9 85	8 27	18 12	11 46	8 27	19 73	12 63	8 27	20 90
Spring Lake	700 00	1,332 60		2,032 00	28 32	12 51	40 83	13 63	12 51	26 14	8 95	12 51	21 46	15 28	12 51	27 79
Springport	600 00	1,450 00		2,050 00	38 26	7 87	46 13	11 08	7 87	18 95	11 87	7 87	19 74	20 00	7 87	27 87
Stambaugh	800 00	5,582 25		6,282 25										19 82	8 63	28 45
†Stephenson																
Stevensville	520 00	1,360 00		1,880 00	27 00	4 56	31 56	6 04	4 56	10 60	8 88	4 56	13 44	12 88	4 56	17 44
Stockbridge	700 00	1,436 00		2,136 00	15 00	5 05	20 05	10 00	5 05	15 05	10 00	5 05	15 05	12 57	5 05	17 62
Sunfield	475 00	997 50		1,472 50	18 26	5 10	23 36	9 77	5 10	14 87	8 31	5 10	13 41	13 39	5 10	18 49
Sutton's Bay	500 00	560 00		1,060 00	25 00	4 42	29 42	12 17	4 42	16 59	14 00	4 42	18 42	16 82	4 42	21 24
Tecumseh	1,050 00	5,250 00	400 00	6,700 00	19 98	3 87	23 85	11 16	3 87	15 03	13 30	3 87	17 17	14 50	3 87	18 37
Tekonsha	585 00	1,305 00		1,890 00	28 00	3 94	31 94	13 33	3 94	17 28	7 77	3 94	11 71	13 50	3 94	17 44
Thompsonville	675 00	2,047 60		2,722 60	28 00	4 04	32 04	7 30	4 04	11 34	11 10	4 04	15 14	12 60	4 04	16 64
Three Oaks	850 00	2,205 00	78 00	3,133 00	17 50	2 99	20 54	8 00	2 99	10 99	8 25	2 99	11 24	12 74	2 99	15 73
Trenton	550 00	2,464 80		3,014 18	16 35	10 12	26 47	12 67	10 12	22 79	8 70	10 12	18 82	11 33	10 12	21 45
Tustin	450 00	855 00		1,305 00	26 46	8 83	35 29	7 32	8 83	16 15	5 09	8 83	13 92	10 88	8 83	19 71
Twining																
†Ubly																
Union City	1,200 00	4,434 35		5,634 35	18 75	6 71	25 46	19 27	6 71	25 98	19 97	6 71	26 68	19 48	6 71	26 19
Unionville	600 00	975 00		1,575 00	18 39	6 14	24 53	7 50	6 14	13 64	4 00	6 14	10 14	7 95	6 14	14 09
Utica	800 00	1,400 00		2,200 00	30 80	8 54	39 34	11 28	8 54	19 82	10 14	8 54	18 68	15 38	8 54	23 92
Vandalia	500 00	900 00		1,400 00	18 95	3 84	22 79	8 75	3 84	12 59	8 70	3 84	12 54	13 46	3 84	17 30
†Vanderbilt																
Vassar	1,000 00	3,900 00	400 00	5,300 00	17 47	5 63	23 10	12 63	5 63	18 26	12 81	5 63	18 44	15 82	5 63	21 45
Vermontville	700 00	2,082 50		2,782 50	13 43	4 01	17 44	11 30	4 01	15 31	10 15	4 01	14 16	14 90	4 01	18 91
Vernon	600 00	900 00		1,500 00	21 42	4 22	25 64	9 37	4 22	13 59	7 79	4 22	12 01	12 82	4 22	17 04
Vicksburg	850 00	2,367 00		3,217 00	21 07	4 35	25 42	10 76	4 35	15 11	9 57	4 35	13 92	13 81	4 35	18 16
Wakefield	900 00	6,515 00		7,415 00										39 92	32 58	72 50
Waldron	550 00	540 00		1,090 00	27 50	2 69	30 19	8 18	2 69	10 87	6 75	2 69	9 44	11 72	2 69	14 41
Warren	450 00	270 00		720 00				7 61	85	8 46	5 71	85	6 56	6 86	85	7 71
Watervliet	810 00	2,250 00		3,060 00	30 70	3 77	34 47	19 00	3 77	22 77	6 40	3 77	10 17	12 29	3 77	16 06
Wayland	720 00	1,008 00		1,728 00	8 49	3 24	11 73	10 71	3 24	13 95	9 55	3 24	12 79	9 09	3 24	12 33
Wayne	1,200 00	3,425 00		4,625 00	25 29	5 18	30 47	10 97	5 18	16 15	7 90	5 18	13 08	14 82	5 18	20 00
Webberville	540 00	540 00		1,080 00	18 00	3 03	21 03	7 29	3 03	10 32	5 62	3 03	8 65	10 19	3 03	13 22
†Westphalia																
White Cloud	540 00	945 00		1,485 00	27 00	4 94	31 94	6 05	4 94	10 99	5 72	4 94	10 66	8 16	4 94	13 10
Whitehall	800 00	3,092 75	96 00	3,988 75	19 00	3 62	22 62	9 40	3 62	13 02	8 60	3 62	12 22	11 30	3 62	14 92
White Pigeon	816 00	1,790 00		2,606 00	25 00	12 18	37 18	24 00	12 18	36 18	15 00	12 18	27 18	19 10	12 18	31 28
Williamston	1,000 00	3,400 00	200 00	4,600 00	30 50	11 04	41 54	15 00	11 04	26 04	9 50	11 04	20 54	16 72	11 04	27 76
Wolverine	540 00	1,440 00		1,980 00	17 42	3 31	20 73	10 43	3 31	13 74	7 74	3 31	11 05	10 26	3 31	13 57
Woodland	450 00	630 00		1,080 00	17 30	7 92	25 22	14 31	7 92	22 23	9 00	7 92	16 92	13 01	7 92	20 93
†Woodmere																
Zeeland	800 00	3,040 00	425 00	4,265 00	28 46	3 83	32 29	6 96	3 83	10 79	6 68	3 83	10 51	11 53	3 83	15 36

¶ Report included with Calumet which is not incorporated.

† Not legally graded.

TABLE XX.

Special report of the superintendents of city schools.

Incorporated cities.	No. of teachers in schools, including superintendent and special teachers.	No. of special teachers employed.	No. of instructors in manual training.	No. of instructors in penmanship.	No. of instructors in drawing.	No. of instructors in music.	No. of instructors in kindergarten.	No. of instructors in commercial course.	Are your teachers of music, drawing and kindergarten qualified according to Act No. 24 of 1905?	Are your other special teachers holders of certificates other than city certificates?	If not have they been granted city certificates?	Are all regular teachers holders of legal certificates of qualification?	No. holding certificates granted upon examination, or indorsed by the State board of education.	No. holding western normal school certificates.	No. holding northern normal school certificates.	No. holding central normal school certificates.	No. holding State normal college certificates.	No. holding certificates granted by State university under provisions of sec. 4804 of compiled laws.	No. holding college certificates granted according to sec. 4803 of compiled laws.	No. holding city certificates of first grade.	No. holding city certificates of second grade.	No. holding city certificates of third grade.	No. holding county certificates.	Portion of superintendent's time given to supervision.
Adrian	50	5	2	.....	1	1	.....	.....	Yes	No	Yes	Yes	.....	.....	.....	2	15	.....	.....	15	14	21	.....	All
Albion	27	3	.5	.....	.5	.5	.....	.....	Yes	Yes	.....	Yes	.....	.....	.....	1	7	.....	.....	.....	.....	.....	2	5-6
Alma	18	2	.....	.....	.5	.5	1	.....	Yes	.....	.....	Yes	2	.....	.....	1	6	2	1	.....	.....	.....	6	2-3
Alpena	46	3	1	.....	.....	1	.....	1	Yes	No	Yes	Yes	.....	.....	.....	.....	.....	.....	.....	6	15	25	.....	All
Ann Arbor	75	5	2	.....	1	1	.....	1	No	No	Yes	Yes	.....	.....	.....	.....	.....	.....	.....	24	22	29	.....	All
Au Gres	3	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Yes	3	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1-10
Au Sable	9	.....	.....	.....	.....	.....	2	.....	Yes	.....	.....	Yes	1	.....	.....	.....	.....	.....	1	1	3	.....	3	1-3
Bad Axe	11	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Yes	.....	.....	.....	1	6	.....	.....	.....	.....	.....	4	1-4
Battle Creek	106	5	3	.....	1	1	.....	.....	Yes	No	Yes	Yes	.....	.....	1	.....	13	7	.....	6	63	.....	14	All
Bay City	194	9	1	.....	1	1	3	3	Yes	Yes	Yes	Yes	.....	.....	.....	2	6	19	.....	151	.....	16	.....	All
Beaverton	8	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Yes	1	.....	.....	1	.....	.....	1	.....	.....	.....	5	1-4
Belding	20	3	.....	.3	.3	.4	2	.....	Yes	Yes	.....	Yes	2	.....	.....	2	5	1	.....	4	3	.....	3	1-2
Benton Harbor	38	1	.....	.3	.4	.3	.....	.....	Yes	.....	.....	Yes	1	.....	.....	3	12	.....	.....	2	1	3	6	All
Bessemer	28	1	.....	.....	.5	.5	.....	.....	Yes	.....	.....	Yes	1	.....	1	.....	5	1	.....	.....	.....	.....	19	All
Big Rapids	28	1	.....	.3	.4	.3	.....	.....	No	No	Yes	Yes	3	.....	.....	.....	2	.....	2	.....	7	7	6	6-8
.....	42	3	.....	.....	.5	.5	2	.....	Yes	.....	.....	Yes	1	.....	.....	6	17	1	3	5	6	.....	.....	All
.....	21	3	.....	.....	1	1	.....	1	Yes	Yes	.....	Yes	.....	.....	.....	6	6	1	4	.....	.....	.....	4	All
.....	27	3	1	.....	.5	.5	.....	1	Yes	Yes	.....	Yes	1	.....	.....	.....	12	3	3	.....	2	4	.....	6-7
.....	30	1	.....	.....	.5	.5	.....	.....	Yes	.....	.....	Yes	.....	.....	.....	2	2	1	.....	1	8	13	3	All
.....	11	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Yes	.....	.....	.....	1	3	.....	1	.....	.....	.....	6	1-4
.....	34	4	.4	.3	.5	.5	2	.3	Yes	No	Yes	Yes	1	.....	.....	2	10	.....	.....	4	15	1	.....	6-7
.....	9	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Yes	1	.....	.....	2	.....	.....	.....	.....	.....	6	.....	3-8
.....	14	2	.....	.....	1	1	.....	.....	No	.....	Yes	Yes	.....	.....	.....	2	1	1	1	1	3	4	1	1-2
..swell	7	.....	.....	.....	.....	.....	1	.....	Yes	.....	.....	Yes	1	.....	.....	.....	2	.....	.....	.....	.....	.....	4	1-4
Crystal Falls	29	3	.....	.....	.5	.5	2	.....	Yes	.....	.....	Yes	4	.....	3	2	4	3	.....	.....	.....	.....	10	5-6
Detroit	1,080	121	25	.....	1	1	84	9	Yes	Yes	Yes	Yes	6	.....	.....	2	89	79	.....	894	.....	.....	10	All
Dowagiac	29	2	.....	.....	.5	.5	1	.....	Yes	.....	.....	Yes	1	.....	.....	3	3	3	2	.....	15	2	.....	5-7
East Tawas	10	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Yes	.....	.....	.....	2	.....	.....	2	.....	.....	.....	6	1-2
Eaton Rapids	14	2	1	.....	.5	.5	.....	.....	Yes	Yes	.....	Yes	1	.....	.....	.....	7	.....	.....	.....	2	3	1	1-2
Escanaba	54	4	.....	.....	.5	.5	2	1	Yes	Yes	.....	Yes	3	.....	7	3	8	4	.....	5	6	14	.....	All

Flint	78	11	1	1	1	1	6	1	Yes	Yes	Yes	Yes			3						16	24	38		All
Gladstone	18	2					2		Yes			Yes					1				3	7			3-7
Gladwin	7	1					1		Yes			Yes	1				1							5	1-5
Grand Haven	31	5			.5	.5	3	1	Yes	Yes	Yes	Yes					7	2	1	1	11			5	6-7
Grand Ledge, 9 fr	10	1				1			Yes			Yes					8								1-2
Grand Ledge, 11 fr	6	1				1			Yes			Yes	1				2		1					2	1-10
Grand Rapids	422	52	12		3		32	4	Yes	No	Yes	Yes									106	171	97		All
Greenville	22	3			1			1	Yes	No	Yes	Yes						2			4	6	9		1-2
Hancock	26	2						2		Yes		Yes			5		7	6	1	1				6	6-7
Harrison	4											Yes	3												
Harrisville	4											Yes	1												1-6
Hastings	24	4	1					1	Yes	Yes	Yes	Yes	1				3	4	2	1	4	4			5-7
Hillsdale	30	5	1				2		No	Yes	Yes	Yes	1						3	2	5	6			3-5
Holland	41	5					3		Yes			Yes					20	3	2	1		7			All
Hudson	16	4					3	1	Yes	No	Yes	Yes					4		1	1	4	6			4-7
Ionia	32	7		1	1	1	3	1	Yes	Yes		Yes	1				17	1	2	5					2-7
Iron Mountain	65	4	2			1		1	No	No	Yes	Yes					10	2	1	11	30	5			All
Ironwood	67	16			1	1	14		Yes	Yes	Yes	Yes				4	10	3		6	23	3			All
Ishpeming	77	12	2	1	1	1	5	2	Yes	Yes	Yes	Yes						2	2	27	23				All
Jackson	101	2			1	1			Yes			Yes								15	31	55			All
Kalamazoo	143	24	7		1	1	14	1	Yes	Yes	Yes	Yes	1		2		15	8	10	21	35	33	2		All
Lansing	89	4	2		1	1			No	No	Yes	Yes				2	17	5	5	28	31	1			All
Lapeer	20	2			1	1		1	No	Yes	Yes	Yes				1	7	1			8		2		2-3
Ludington	47	3	1		1	1			Yes	No	Yes	Yes				3	16	2	2	2	12	9			All
Mackinac Island	4											Yes											4		1-10
Manistee	76	13		1	1	1	6	4	Yes	Yes		Yes	4			2	6			39	20	5			All
Manistique	30	5			.5	.5	3	1	No	Yes	Yes	Yes			2		7	1	3	3	5	9			6-7
Marine City	18	1			.5	.5			Yes			Yes	1			2	7	1					6		5-7
Marquette	59	9.8	3		1	1	4	.8	No	No	Yes	Yes	1		13		2	6		9	12	16			All
Marshall	28	2	.5		.5	1			Yes	Yes		Yes				2	7	4		5	4	4			5-7
Mason	14	1			.5	.5			Yes			Yes	1							8	3	2			4-7
Menominee	62	8	1		.5	.5	6		Yes		Yes	Yes	1							11	15	28			All
Midland	17											Yes								5	5	7			4-7
Monroe	22	1		.3	.4	.3			No	No	Yes	Yes					5	3		2	4	7	1		All
Mt. Clemens	34	7			.5	.5	5	1	Yes	Yes		Yes	4			1	6	6		1	3	9	4		7-8
Mt. Pleasant	18	2			.5	.5		1	Yes			Yes								7	4	5			5-7
Muskegon	126	30	16		1	1	10	2	No	No	Yes	Yes	1				6	3		33	56	24	3		All
Muskegon Heights	8	1					1		Yes			Yes	1			1	1						5		1-2
Negaunee	35	4			.5	.5	2	1	Yes	No	Yes	Yes	3		12		3	2	2	2	5	6			All
Niles	26	1			.5	.5			Yes			Yes					4	4	1	1	1	6	8		5-6
North Muskegon	2											Yes											2		
Norway	26	2	1		.5	.5			Yes	No	Yes	Yes			9		4	3		2	1	5			2-3
Omer	4											Yes											4		1-10
Onaway	11											Yes					1						10		2-5
Owosso	49	2			1	1			Yes			Yes	1		1	1	16	6		4	6	7	7		All

TABLE XX.—CONCLUDED.

Incorporated cities.	No. of teachers in schools, including superintendent and special teachers.	No. of special teachers employed.	No. of instructors in manual training.	No. of instructors in penmanship.	No. of instructors in drawing.	No. of instructors in music.	No. of instructors in kindergarten.	No. of instructors in commercial course.	Are your teachers of music, drawing and kindergarten qualified according to Act No. 24 of 1905?	Are your other special teachers holders of certificates other than city certificates?	If not have they been granted city certificates?	Are all regular teachers holders of legal certificates of qualification?	No. holding certificates granted upon examination, or indorsed by the State board of education.	No. holding western normal school certificates.	No. holding northern normal school certificates.	No. holding central normal school certificates.	No. holding State normal college certificates.	No. holding certificates granted by State university under provisions of sec. 4804 of compiled laws.	No. holding college certificates granted according to sec. 4805 of compiled laws.	No. holding city certificates of first grade.	No. holding city certificates of second grade.	No. holding city certificates of third grade.	No. holding county certificates.	Portion of superintendent's time given to supervision.
Petoskey	33	3			1	1		1	Yes	No	Yes	Yes				3	7		3	3	8	8		All
Pontiac	48	6	1		.5	.5	4		Yes			Yes				8	15	10	1		4	4	6	All
Port Huron	85	3				1		2	Yes	Yes		Yes	1			2	8	12		2	24	36		All
Rose City	5											Yes	4						1					
Saginaw	157	21.5							No	No	Yes	Yes								157				All
Saginaw, W. S.	82	7	4		1	1		1	Yes	Yes		Yes				1	6	4	8	60			3	All
Sandusky	5											Yes	1				2						2	
Sault Ste. Marie	62	8	2	.5	.5	1	3	1	Yes	Yes		Yes	4		3	5	26	4	3	10	7			All
South Haven	24	1			.5	.5			Yes			Yes	1				5		3	2	6	6		5-7
St. Clair	16	1.5			.5	.5	.5		No		Yes	Yes				1	4	1	1	3	3	3		5-7
St. Ignace	10	1					1			Yes		Yes	1			1			1				6	1-5
St. Johns	26	2			.5	.5		1	Yes			Yes	1			3	11	1				1	7	3-4
St. Joseph	32	7			1	1	4	1	No	No	Yes	Yes	1			3	7	1		3	5	12		All
St. Louis	17	3			.5	.5	1	1	Yes	Yes		Yes				3	2	2			10			1-2
Standish	10											Yes	1				3						6	1-2
[illegible]nton	8	1			.3	.3	.4		Yes			Yes				1	4				1		1	1-2
[illegible]rgis	17	2			.5	.5	1		Yes			Yes	1				5		1				10	4-7
[illegible]as City	9											Yes	1					1	1				6	1-5
ee Rivers	28	6			.5	.5	4	1			Yes	Yes								11	6	11		3-4
verse City	61	9		.5	.5	1	6	1	Yes	Yes		Yes	1	1		13	15	4	3	2	4	9		All
est Bay City																								
est Branch	9											Yes							2				7	1-8
Wyandotte	30	5			1	1	3		Yes			Yes	4				20	3	2	1				All
Yale	10											Yes					3						10	1-7
Ypsilanti	34	5	2		1	1	1		No	No	Yes	Yes					19	4		2	4	1	1	7-8

* Consolidated with Bay City at the 1903 session of the legislature. See local act 514.

TABLE XXI.

Receipts and expenditures at teachers' institutes for the calendar year 1905.

Counties.	Location.	Date.	Receipts.		Expenditures.			Totals.
			County.	State.	Compensation of instructors and local committee.	Expenses of instructors.	Other expenses.	
Totals			$10,053 09	$2,149 11	$8,954 69	$1,872 92	$1,374 59	$12,202 20
Alcona	Harrisville	Oct. 26-28	$39 50	$69 33	$68 00	$32 90	$7 93	$108 83
Alger and Luce	Munising	May 18-20	85 15		74 00	8 70	2 45	85 15
Allegan	Saugatuck	April 7-8	77 20		59 00	18 20		77 20
Alpena	Alpena	July 31-Aug. 4	82 50	28 66	80 00	26 16	5 00	111 16
Antrim	Bellaire	Aug. 14-18	52 40	90 53	105 00	37 93		142 93
Arenac	Standish	Feb. 16-18	11 50		5 00	6 50		11 50
	Standish	Oct. 2-6	24 50	57 82	60 00	12 32	10 00	82 32
Baraga	Baraga	Oct. 23-25	25 50	67 30	78 00	11 80	3 00	92 80
Barry	Hastings	Jan. 9-14	42 86		41 00	1 86		42 86
	Hastings	Feb. 17-18	89 83		47 00	16 83	26 00	89 83
Bay	Pinconning	Feb. 24-25	80 82		49 00	18 15	13 67	80 82
	Bay City	Aug. 28-Sept. 1	120 98	86 81	130 00	34 69	43 10	207 79
Benzie	Benzonia	Mar. 6-8	63 00	27 78	68 00	17 28	5 50	90 78
Berrien	St. Joseph	Nov. 10-11	175 00		143 00	22 63	9 37	175 00
Branch	Coldwater	Jan. 27-28	59 58		32 00	13 33	14 25	59 58
Calhoun	Battle Creek	Dec. 8-9	132 85		69 00	33 60	30 25	132 85
Cass	Dowagiac	May 13	29 84		27 00	2 84		29 84
	Cassopolis	July 31-Aug. 4	67 06	38 68	80 00	11 19	14 55	105 74
	Cassopolis	Oct. 13-14	48 50	22 06	57 00	12 56	1 00	70 56
Charlevoix	Boyne City	July 31-Aug. 4	82 00	76 12	115 00	30 12	13 00	158 12
Cheboygan	Cheboygan	July 10-Aug. 4	84 50	90 50	170 00	5 00		175 00
	Cheboygan	Nov. 10-11	59 50		45 00	14 50		59 50
Chippewa	Sault Ste. Marie	Mar. 6-8	70 50	49 76	68 00	6 50	45 76	120 26
Clare	Farwell	Oct. 5-7	71 00	30 20	71 00	20 20	10 00	101 20
Crawford	Grayling	Jan. 27-28	30 00	23 00	27 00	13 50	12 50	53 00
Delta	Escanaba	Nov. 1-4	146 90		103 00	30 65	13 25	146 90
Dickinson	Iron Mountain	Oct. 20-21	48 82		32 00	6 17	10 65	48 82
Eaton	Eaton Rapids	Nov. 2-4	110 25		81 00	15 00	14 25	110 25
Emmet	Petoskey	May 19	28 21		16 00	8 96	3 25	28 21
Genesee	Flint	May 27	41 75		26 00	10 25	5 50	41 75

TABLE XXI.—CONCLUDED.

Counties.	Location.	Date.	Receipts.		Expenditures.			Totals.
			County.	State.	Compensation of instructors and local committee.	Expenses of instructors.	Other expenses.	
Gogebic	Ironwood	Sept. 27-29	$80 00		$48 00	$28 50	$3 50	$80 00
Grand Traverse	Traverse City	Oct. 16-18	108 54		71 00	19 54	18 00	108 54
Gratiot	Ithaca	May 12-13	43 35		20 00	11 90	11 45	43 35
Hillsdale	Hillsdale	Feb. 17-18	71 67		52 00	9 67	10 00	71 67
	Hillsdale	July 31-Aug. 9	248 71		205 00	16 58	27 13	248 71
Huron	Bad Axe	Nov. 9-11	139 12		81 00	28 43	29 69	139 12
Ingham	Mason	Aug. 21-Sept. 1	285 04		225 00	23 77	36 27	285 04
	Lansing	Sept. 29-30		$61 51	47 00	14 51		61 51
Ionia	Ionia	Mar. 30-April 1	93 87		71 00	9 47	13 40	93 87
	Muir	Nov. 3-4	40 32		24 00	7 02	9 30	40 32
	Ionia	Dec. 1-2	75 90		59 00	9 70	7 20	75 90
Iosco	Oscoda	April 28-29	16 00		2 44	13 56		16 00
	Tawas City	Nov. 3-4	16 00	42 44	49 00	9 44		58 44
Iron	Iron River	Oct. 12-14	35 50	100 00	83 88	48 32	3 30	135 50
Isabella	Mt. Pleasant	Mar. 3-4	33 12		17 00	1 62	14 50	33 12
	Mt. Pleasant	June 26-Aug. 4	102 85		90 00		12 85	102 85
Jackson	Cement City	Feb. 17-18	19 00		9 00	4 20	5 50	19 00
	Munith	Mar. 3-4	35 90		24 00	1 62	10 28	35 90
	Hanover	Mar. 10-11	27 62		14 00	6 12	7 50	27 62
	Jackson	Nov. 6-11	150 37		82 00	16 36	52 01	150 37
Kalamazoo	Kalamazoo	Jan. 13-14	100 00		79 39	10 61	10 00	100 00
	Kalamazoo	Dec. 8-9	101 63		77 00	11 63	13 00	101 63
	Grand Rapids	Feb. 16	55 00		55 00			55 00
ent	Caledonia and Grandville	Feb. 15-17	101 09		74 00		27 09	101 09
	Rockford and Lowell	Mar. 22-24	112 01		96 00		16 01	112 01
	Grand Rapids	Aug. 21-25	178 87		155 00	18 87	5 00	178 87
eer	Lapeer	Oct. 30-Nov. 4	113 33		80 00	19 28	14 05	113 33
anau	Sutton's Bay	Oct. 16-18	41 00	78 55	73 00	33 98	12 57	119 55
awee	Adrian	Feb. 3-4	74 00		54 00	3 00	17 00	74 00
	Adrian	Aug. 21-25	183 19		135 00	23 63	24 56	183 19
ivingston	Howell	July 31-Aug. 9	171 00	73 18	212 00	19 38	12 80	244 18
Mackinac	St. Ignace	Oct. 9-13	63 00	68 85	85 00	35 10	11 75	131 85
Macomb	Mt. Clemens	Feb. 17-18	102 05		74 00	22 30	5 75	102 05
	New Baltimore	Nov. 3-4	73 00		44 00	10 00	19 00	73 00
Marquette	Marquette	Mar. 30-April 1	155 35		101 00	41 35	13 00	155 35
Mason	Ludington	April 21-22	58 43		28 47	29 96		58 43
	Ludington	July 28-29	36 00		22 00	14 00		36 00

Mecosta	Big Rapids	July 3-Aug. 11	182 00	48 00	230 00			230 00
Menominee	Menominee	July 24-Aug. 9	103 50	100 00	195 00	4 50	4 00	203 50
Midland	Midland	Aug. 7-9	57 00	27 03	68 00	7 53	8 50	84 03
Missaukee	McBain	Jan. 27-28	28 94	4 72	27 00	3 51	3 15	33 66
	Jennings	May 11-12	20 75	26 90	29 00	12 75	5 90	47 65
Monroe	Monroe	Aug. 28-Sept. 1	128 16	56 10	130 00	25 62	28 64	184 26
	Monroe	Dec. 8-9	63 69		47 00	7 44	9 25	63 69
Montcalm	Greenville	Aug. 14-18	142 33	39 82	141 00	32 42	8 73	182 15
Montmorency	Atlanta	Oct. 2-5	28 50	73 49	85 00	14 99	2 00	101 99
Muskegon	Muskegon	July 31-Aug. 9	230 42		192 00	28 97	9 45	230 42
Newaygo	Fremont	April 7-8	60 41		35 00	23 41	2 00	60 41
	Fremont	Nov. 9-11	78 10	6 23	63 00	16 83	4 50	84 33
Oakland	Pontiac	Oct. 27-28	68 16		49 00	8 86	10 30	68 16
Oceana	Hart	Aug. 7-9	42 50	63 57	68 00	35 07	3 00	106 07
Ogemaw	West Branch	Aug. 28-Sept. 1	34 00	70 20	80 00	23 20	1 00	104 20
Ontonagon	Ewen	Feb. 23-25	38 00	72 55	88 00	16 30	6 25	110 55
Osceola	Evart	Mar. 3-4	36 26		25 00	3 50	7 76	36 26
	Reed City	Dec. 1-2	78 29		47 00	22 89	8 40	78 29
Saginaw	Saginaw	Feb. 9-10	233 92		122 00	67 12	44 80	233 92
	St. Charles	Oct. 26-28	117 50		61 00	18 72	37 78	117 50
Oscoda	Mio	Mar. 16-18	9 00	70 00	40 00	34 35	4 65	79 00
Otsego	Gaylord	Sept. 28-30	56 00	28 93	63 00	16 17	5 76	84 93
Ottawa	Holland	Feb. 10-11	73 33		49 00	17 08	7 25	73 33
	Coopersville	Feb. 17-18	87 60		47 00	25 40	15 20	87 60
Presque Isle	Rogers	Oct. 30-Nov. 3	19 75	100 00	85 00	25 00	9 75	119 75
St. Clair	Port Huron	July 31-Aug. 9	192 00	39 95	204 00	21 65	6 30	231 95
St. Joseph	Centreville	Feb. 11	84 57		52 00	14 83	17 74	84 57
	Constantine	Oct. 6-7	44 18		29 00	4 98	10 20	44 18
Sanilac	Sanilac Center	Aug. 21-25	226 08		150 00	70 08	6 00	226 08
Schoolcraft	Manistique	Nov. 27-29	67 50	35 40	68 00	11 40	23 50	102 90
Shiawassee	Owosso	Aug. 7-9	125 50		101 00	13 00	11 50	125 50
Tuscola	Cass City	Aug. 21-25	157 28	38 39	135 00	32 28	28 39	195 67
Van Buren	Lawton	Nov. 20-25	108 68		70 00	11 59	27 09	108 68
Washtenaw	Ypsilanti	June 26-July 14	221 26		211 51		9 75	221 26
	Detroit	Jan. 27-28	228 63		154 00	38 68	35 95	228 63
Wayne	Detroit	Feb. 4	210 50		195 00		15 50	210 50
	Detroit	Mar. 15	215 43		185 00	14 18	16 25	215 43
	Detroit	May 20	71 04		35 00	23 30	12 74	71 04
	Detroit	June 23	30 00		30 00			30 00
	Detroit	Oct. 7	80 00		80 00			80 00
Wexford	Wayne	Oct. 7	53 61		32 00	7 61	14 00	53 61
	Detroit (six lectures)	Nov. 15-Dec. 20	240 50		230 00		10 50	240 50
	Plymouth	Dec. 11-15	159 89		80 00	17 14	62 75	159 89
	Mesick	April 15	29 94		12 00	7 44	10 50	29 94
	Manton	Oct. 9-14	64 56	64 75	90 00	19 39	19 92	129 31

TABLE XXII.

Local committees, conductors, and instructors at

Counties.	Term.	Local committees.
Alcona	3 days	W. H. Sanborn
Alger and Luce	3 days	M. E. Shippy.
		H. G. Warne
Allegan	2 days	I. G. Thorpe
Alpena	5 days	J. A. Case
Antrim	5 days	H. M. Coldren
Arenac	3 days,	M. E. Osborne
	5 days	M. E. Osborne
Baraga	3 days	S. O. Clinton
Barry	5 days	J. C. Ketcham
	2 days	J. C. Ketcham
Bay	2 days	J. B. Laing
	5 days	J. B. Laing
Benzie	3 days	W. E. Daines
Berrien	2 days	C. D. Jennings
Branch	2 days	James Swain
Calhoun	2 days	F. D. Miller
Cass	1 day	W. H. C. Hale
	5 days	W. H. C. Hale
	2 days	W. H. C. Hale
Charlevoix	5 days	J. H. Milford
Cheboygan	20 days	E. W. Baker
	2 days	E. W. Baker
Chippewa	3 days	T. R. Easterday
Clare	3 days	E. G. Welch
Crawford	2 days	J. E. Bradley
Delta	5 days	P. R. Legg
Dickinson	2 days	E. L. Parmenter
Eaton	3 days	J. L. Wagner
Emmet	1 day	R. M. Winston
Genesee	1 day	F. J. Johnson
Gogebic	3 days	L. L. Wright
Grand Traverse	3 days	G. L. Crispe
Gratiot	2 days	C. F. Pike
Hillsdale	2 days	C. P. Hulce
	8 days	C. P. Hulce
Huron	3 days	David Kaercher
Ingham	10 days	A. G. Wilson
	2 days	W. D. Sterling
	3 days	H. H. Lowry
Ionia	2 days	H. H. Lowry
	2 days	H. H. Lowry
Iosco	2 days	J. A. Campbell
	2 days	J. A. Campbell
Iron	3 days	J. F. Mason
Isabella	2 days	H. A. Graham
	30 days	H. A. Graham
Jackson	2 days	T. M. Sattler
	2 days	T. M. Sattler
	3 days	T. M. Sattler
	5 days	T. M. Sattler
Kalamazoo	2 days	J. W. Hazard
	2 days	J. W. Hazard
Kent	3 days	A. R. Zimmer
	1 day	W. H. Elson
	3 days	A. R. Zimmer
	5 days	A. R. Zimmer
Lapeer	6 days	W. F. Laughlin
Leelanau	3 days	J. O. Duncan
Lenawee	2 days	M. W. Hensel
	5 days	M. W. Hensel
Livingston	8 days	N. C. Knooihuizen
Luce	3 days	See Alger.
Mackinac	5 days	D. H. Stringham

TABLE XXII.

teachers' institutes for the calendar year 1905.

Conductors.	Instructors.	Instructors.	Instructors.
F. L. Keeler	F. L. Keeler	Lois B. Wilson.	
J. H. Kaye	J. H. Kaye	Frances M. Kelsey.	
D. B. Waldo	D. B. Waldo	F. L. Keeler	A. G. Slocum.
A. H. Smith	A. H. Smith	Hattie S. White.	
I. B. Gilbert	I. B. Gilbert	Julia Martin	Buena V. Mixer.
M. E. Osborne	G. W. Loomis	Amanda Kidder.	
W. N. Ferris	W. N. Ferris	M. E. Osborne.	
J. H. Kaye	J. H. Kaye	Frances M. Kelsey.	
J. C. Ketcham	Ernest Burnham.		
C. T. Grawn	C. T. Grawn	Margaret E. Wise.	
A. H. Smith	A. H. Smith	R. C. Ford.	
W. J. McKone	W. J. McKone	Chas. F. Spain	Lois B. Wilson. / Geo. S. Waite.
G. W. Loomis	G. W. Loomis	R. D. Calkins.	
J. D. Schiller	D. F. Fox	H. H. Barrows	Martha A. Sherwood. / J. M. Thomas.
D. B. Waldo	D. B. Waldo	G. J. Edgcumbe.	
C. T. Grawn	C. T. Grawn	W. C. Hewett.	
D. B. Waldo	D. B. Waldo	Martha A. Sherwood.	
W. L. Shuart	W. L. Shuart	Louise Kilbourne.	
H. R. Pattengill	W. H. C. Hale	Florence Fox.	
M. E. Osborne	M. E. Osborne	Jessie M. Hines.	
W. C. Thompson	W. C. Thompson	E. W. Baker.	
R. D. Calkins	R. D. Calkins	Goldie Whitaker.	
J. H. Kaye	J. H. Kaye	L. H. Jones.	
S. B. Laird	S. B. Laird	Florence Fox.	
W. N. Ferris	W. N. Ferris.		
J. H. Kaye	J. H. Kaye	C. T. Grawn.	
E. E. Amidon	J. H. Kaye.		
C. G. Wade	C. G. Wade	R. D. Calkins	E. G. Lancaster.
R. D. Calkins	R. D. Calkins.		
S. B. Laird	S. B. Laird	Harriet M. Plunkett.	
W. H. Cheever	W. H. Cheever.		
F. L. Keeler	F. L. Keeler	Fannie I. Allen.	
E. D. Watkins	C. E. Holmes	J. C. Stone.	
S. J. Gier	M. S. W. Jefferson	Martha Sherwood.	
C. E. Holmes	C. E. Holmes	S. J. Gier	Martha Sherwood. / Helen J. Torrey.
F. L. Keeler	F. L. Keeler	Lois B. Wilson	A. F. Bruske.
J. H. Harris	J. H. Harris	Fred Fullerton	E. W. Kinnan. / Alice P. Kimball.
S. B. Laird	S. B. Laird	Geo. S. Waite.	
A. H. Smith	A. H. Smith	Fannie I. Allen	A. F. Bruske.
H. H. Lowry	W. D. Henderson.		
C. T. Grawn	C. T. Grawn	F. L. Keeler.	
J. A. Campbell	S. B. Laird.		
C. E. Holmes	C. E. Holmes	Cora Willsey.	
Chas. McKenny	Chas. McKenny	W. H. Cheever.	
C. S. Larzelere	C. F. Pike.		
C. T. Grawn	H. A. Graham.		
T. M. Sattler	D. E. McClure.		
T. M. Sattler	Delos Fall.		
T. M. Sattler	D. E. McClure.		
H. R. Pattengill	H. R. Pattengill	Geo. S. Waite.	
S. O. Hartwell	S. O. Hartwell	Martha Sherwood	R. D. Salisbury.
D. B. Waldo	H. H. Barrows	E. G. Lancaster.	
A. R. Zimmer	J. W. Stimson.		
W. H. Elson	J. W. Stimson.		
A. R. Zimmer	A. E. Winship.		
S. B. Laird	S. B. Laird	L. G. Wood	Florence Fox. / Bessie G. Webb.
S. B. Laird	S. B. Laird	Jessie L. Newlin.	
Delos Fall	Delos Fall	Alice P. Kimball.	
M. W. Hensel	W. O. Krohn.		
C. W. Mickens	C. W. Mickens	W. J. McKone	Lois B. Wilson / Alice P. Kim
J. K. Osgerby	J. K. Osgerby	Sara L. Greeley	M. A. Ch / Sara L.
A. H. Smith	A. H. Smith	Lois B. Wilson.	

TABLE XXII.—CONCLUDED.

Counties.	Term.	Local committees.
Macomb	2 days	O. D. Thompson
	2 days	O. D. Thompson
Marquette	3 days	A. E. Sterne
Mason	2 days	C. A. Rinehart
	2 days	C. A. Rinehart
Mecosta	30 days	Edward Keeler
Menominee	13 days	Jesse Hubbard
Midland	3 days	J. H. Mustard
Missaukee	2 days	E. S. Hall
	2 days	E. S. Hall
Monroe	5 days	A. C. Marvin
	2 days	A. C. Marvin
Montcalm	5 days	E. D. Straight
Montmorency	5 days	S. H. Knisely
Muskegon	8 days	J. O. Reed
Newaygo	2 days	Isabelle M. Becker
	3 days	Isabelle M. Becker
Oakland	2 days	H. S. Elliott
Oceana	3 days	Eddy Fleming
Ogemaw	5 days	Ben Bennett
Ontonagon	3 days	Ella Chamberlain
Osceola	2 days	G. F. Roxburgh
	2 days	G. F. Roxburgh
Oscoda	3 days	S. J. Lewis
Otsego	3 days	R. D. Bailey
Ottawa	2 days	C. E. Kelly
	2 days	C. E. Kelly
Presque Isle	5 days	M. H. Nester
Saginaw	2 days	J. C. Nafe
	3 days	J. C. Nafe
St. Clair	8 days	E. F. Blackney
St. Joseph	2 days	I. E. Miller
	2 days	I. E. Miller
Sanilac	5 days	C. G. Putney
Schoolcraft	3 days	Mrs. Beulah Bowen
Shiawassee	3 days	H. E. Slocum
Tuscola	5 days	H. P. Bush
Van Buren	6 days	E. A. Aseltine
Washtenaw	15 days	C. E. Foster
Wayne	2 days	E. W. Yost
	6 days	W. C. Martindale
	3 days	W. C. Martindale
	1 day	E. W. Yost
	1 day	W. C. Martindale
	1 day	W. C. Martindale
Wexford	1 day	E. W. Yost
	6 days	W. C. Martindale
	5 days	E. W. Yost
	1 day	W. H. Faunce
	5 days	W. H. Faunce

TABLE XXII.—CONCLUDED.

Conductors.	Instructors.	Instructors.	Instructors.
E. E. Crook	J. L. Hughes	H. G. Lull.	
C. O. Hoyt	C. O. Hoyt	L. H. Jones	Margaret E. Wise.
Delos Fall	Delos Fall	Frances M. Kelsey	E. E. Scribner.
S. B. Laird	S. B. Laird	G. J. Edgcumbe.	
C. A. Rinehart	D. E. McClure.		
W. N. Ferris	W. N. Ferris.		
R. H. Kirtland	R. H. Kirtland	E. L. Parmenter.	
John Kelley	John Kelley	Ida M. Huston.	
G. W. Loomis	G. W. Loomis.		
H. R. Pattengill	H. R. Pattengill.		
F. J. Toose	F. J. Toose	W. D. Sterling	Sarah L. Greeley. Geo. L. Waite.
S. B. Laird	S. B. Laird	Margaret E. Wise.	Alice P. Kimball.
G. A. McGee	G. A. McGee	Guy D. Smith	Belle J. Hopkins.
H. R. Pattengill	H. R. Pattengill	R. D. Bailey.	
C. L. Bemis	C. L. Bemis	A. B. Lightfoot	Irene L. Getty.
Isabelle M. Becker	R. D. Calkins	L. H. Jones.	
Delos Fall	Delos Fall	Carrie L. Carter.	
Delos Fall	Delos Fall	M. S. W. Jefferson.	
C. T. Grawn	C. T. Grawn	F. L. Keeler.	
C. H. Gurney	C. H. Gurney	Fannie I. Allen.	
E. L. Parmenter	E. L. Parmenter	J. H. Kaye.	
G. F. Roxburgh	E. G. Lancaster.		
W. J. McKone	W. J. McKone	A. H. Smith.	
S. J. Lewis	S. J. Lewis	Minnie Termaat.	
H. R. Pattengill	H. R. Pattengill	Goldie Whitaker.	
C. T. Grawn	C. T. Grawn	Martha Sherwood.	
C. O. Hoyt	C. O. Hoyt	F. L. Keeler.	
A. H. Smith	A. H. Smith	Lois B. Wilson.	
J. C. Nafe	James L. Hughes	N. A. Harvey	Jessie L. Newlin.
J. C. Nafe	C. O. Hoyt	Sara L. Greeley.	
Delos Fall	Delos Fall	W. F. Lewis	Alice Marsh. Sara L. Greeley.
H. R. Pattengill	H. R. Pattengill	Margaret E. Wise.	
W. J. McKone	W. J. McKone.		
F. L. Keeler	F. L. Keeler	Lucy Bettes. Geo. S. Waite.	R. D. Bailey. E. G. Lancaster.
W. E. Hanson	W. F. Hanson	Frances M. Kelsey.	
C. O. Hoyt	C. O. Hoyt	C. W. Shipman	Frances Cook.
J. E. Mitchell	J. E. Mitchell	G. B. Rundells	F. E. Sinclair.
H. R. Pattengill	H. R. Pattengill	Martha Sherwood.	Geo. S. Waite.
N. A. Harvey	N. A. Harvey	Elizabeth McClellan	S. B. Laird.
John Loeffler	N. A. Harvey	Kijo Sue Inui	Geo. E. Vincent. Lucy A. Sloan.
W. C. Martindale	J. Paul Goode.		
W. C. Martindale	Zonia Baber.		
E. W. Yost	C. S. Larselere	W. N. Ferris.	
W. C. Martindale	Henry Latchford.		
W. C. Martindale	C. A. Eastman.		
H. R. Pattengill	H. R. Pattengill	D. H. Roberts.	
W. C. Martindale	Richard Burton.		
H. R. Pattengill	H. R. Pattengill	W. N. Ferris.	
G. W. Loomis	G. W. Loomis.		
J. C. Ketcham	J. C. Ketcham	Irene L. Getty	John T. McManis.

TABLE XXIII.

Enrollment at teachers' institutes for the calendar year 1905.

Counties.	Number of teachers required to supply schools.	Number enrolled.			Kinds and grades of certificates held by members.										Number without experience in teaching.	Number having received normal instruction.	Average attendance each half day.	Number of legally qualified teachers in county.	Percentage of teachers in county attending institutes.
		Men.	Women.	Total.	State.	University.	Normal.	First.	Second.	Third.	Special.	College.	City.	County normal.					
Totals	14,997	2,388	11,934	14,322	194	138	1,117	254	3,407	2,873	92	129	746	112	1,806	2,605	10,234	17,022	53
Alcona	40	10	32	42	.....	.....	.....	1	24	9	.....	.....	.....	.....	7	3	40	40	105
*Alger and Luce	51	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	55	.....
Allegan	263	17	54	71	3	.....	.....	2	37	14	.....	.....	.....	.....	14	9	66	306	23
Alpena	103	1	68	69	.....	.....	.....	.....	17	24	.....	.....	.....	.....	28	5	63	92	75
Antrim	120	8	28	36	.....	.....	2	.....	14	16	.....	.....	.....	.....	6	7	29	124	29
Arenac	62	17	59	76	.....	.....	6	.....	19	9	2	4	.....	29	21	15	74	67	113
		18	65	83	2	.....	5	3	24	10	3	.....	.....	.....	20	14	75		124
Baraga	33	6	32	38	.....	1	4	.....	6	7	8	.....	.....	.....	9	13	31	39	98
Barry	191	51	128	179	1	1	12	.....	60	36	2	.....	2	.....	64	28	170	219	81
Bay	321	16	56	72	2	.....	5	2	39	21	1	.....	.....	.....	11	11	69	333	21
		14	124	138	.....	.....	3	1	35	32	2	.....	20	.....	34	12	97		41
Benzie	85	25	89	114	1	.....	14	.....	20	20	5	1	.....	.....	22	20	107	88	129
Berrien	303	87	147	234	6	5	45	12	48	70	.....	5	.....	.....	.....	.....	.....	340	69
Branch	189	34	138	172	2	4	2	2	72	53	.....	23	6	.....	8	36	147	221	77
Calhoun	367	34	248	282	1	15	50	5	93	52	2	4	49	10	13	58	.....	428	65
Cass	158	10	65	75	14	2	3	.....	30	15	.....	3	4	.....	10	14	75	205	36
		14	77	91	1	.....	.....	2	33	30	.....	.....	.....	.....	33	14	67		44
		17	61	78	3	2	5	1	35	19	.....	5	5	.....	3	22	70		38
·rlevoix	121	7	51	58	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	15	.....	40	165	35
·oygan	109	1	45	46	.....	.....	.....	.....	3	15	.....	.....	.....	.....	29	1	38	118	39
		13	100	113	3	1	11	1	36	40	1	2	5	.....	14	22	97		95
pewa	163	25	89	114	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	157	72
	80	22	66	88	2	6	2	2	19	35	6	.....	.....	.....	20	30	77	75	117
nton	175	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	173	.....
awford	36	3	18	21	.....	.....	.....	3	9	6	1	.....	.....	.....	2	.....	21	26	80

Delta	148	14	122	136	5	3	38	2	33	25	1	.....	15	.....	7	66	96	146	93
Dickinson	125	16	112	128	2	2	49	2	10	4	1	.....	41	.....	.....	84	116	117	91
Eaton	223	21	136	157	6	.....	18	2	43	80	.....	.....	1	.....	8	46	125	254	61
Emmet	124	13	80	93	3	1	13	3	31	24	1	.....	7	.....	.....	34	93	137	58
Genesee	276	27	83	110	3	2	5	5	50	50	2	3	10	.....	10	15	110	325	33
†Gladwin	57	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	58	.....
Gogebic	126	21	144	165	13	.....	48	3	53	42	1	.....	.....	.....	5	.....	150	126	130
Grand Traverse	134	8	62	70	.....	.....	4	.....	29	29	1	.....	.....	.....	6	8	65	155	45
Gratiot	189	26	103	129	2	.....	12	.....	43	28	.....	.....	3	.....	25	37	120	285	45
Hillsdale	232	16	99	115	.....	.....	.....	3	51	40	.....	1	.....	.....	33	19	.....	225	40
		30	71	101	.....	.....	8	.....	39	33	.....	2	8	.....	9	27	.....		45
†Houghton	419	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	420	.....
Huron	166	54	129	183	3	.....	33	2	66	39	5	1	.....	.....	30	46	173	178	102
Ingham	265	22	88	110	1	.....	8	4	34	43	.....	.....	.....	3	16	22	44	318	34
		10	107	117	1	.....	21	2	11	9	.....	5	65	.....	5	55	102		36
Ionia	226	13	92	105	.....	.....	5	3	31	39	1	2	.....	.....	31	30	65	361	29
		8	44	52	.....	.....	2	3	9	17	.....	.....	.....	3	19	12	49		14
Iosco	62	*	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	76	.....
		*	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....		.....
		5	54	59	2	.....	4	1	21	14	1	5	.....	5	6	11	59		77
Iron	65	7	56	63	3	4	26	.....	17	10	2	.....	.....	.....	1	39	58	66	95
Isabella	128	29	88	117	1	12	44	2	23	22	2	3	6	.....	2	56	93	154	76
		20	164	184	.....	.....	23	1	41	61	2	.....	.....	.....	56	57	109		119
Jackson	285	*	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	248	.....
		14	22	36	3	1	3	1	12	13	.....	.....	.....	.....	14	3	.....		14
		12	25	37	.....	.....	1	3	10	8	1	.....	.....	.....	14	6	.....		15
		31	131	162	.....	.....	1	4	65	52	6	1	2	.....	29	1	.....		65
Kalamazoo	305	23	247	270	5	10	24	34	107	99	2	5	128	.....	48	27	240	354	76
		50	260	310	6	5	19	1	66	52	2	5	.....	.....	25	75	262		87
†Kalkaska	64	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	66	.....
Kent	686	25	266	291	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	643	45
		*	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....		.....
		*	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....		.....
		22	167	189	2	.....	.....	5	102	55	.....	.....	.....	.....	43	21	114		29
†Keweenaw	22	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	23	.....
†Lake	52	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	55	.....
*Lapeer	187	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	192	.....
Leelanau	71	11	55	66	1	.....	.....	2	25	20	2	.....	.....	.....	13	9	54	76	86
Lenawee	314	30	170	200	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	198	376	53
		33	160	193	1	.....	7	.....	71	82	.....	5	9	.....	46	35	112		51
Livingston	168	19	112	131	5	.....	5	.....	25	66	.....	.....	.....	.....	41	34	72	370	35
Luce (see Alger)	28	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	28	.....
Mackinac	66	8	45	53	.....	.....	.....	3	19	13	1	.....	.....	.....	14	12	50	65	85
Macomb	189	30	115	145	3	3	17	4	39	28	2	.....	.....	.....	45	30	127	224	64
		30	130	160	2	.....	3	2	49	19	.....	.....	1	.....	79	32	137		76

† No institute held. * No report received

TABLE XXIII.—Concluded.

Counties.	Number of teachers required to supply schools.	Number enrolled.			Kinds and grades of certificates held by members.										Number without experience in teaching.	Number having received normal instruction.	Average attendance each half day.	Number of legally qualified teachers in county.	Percentage of teachers in county attending institutes.
		Men.	Women.	Total.	State.	University.	Normal.	First.	Second.	Third.	Special.	College.	City.	County normal.					
†Manistee	159																	150	
Marquette	240	20	181	201	3	6	63	14	43	23		1	46			159		316	63
Mason	123	14	85	99		2	19	1	35	25		4				29	97	129	76
Mecosta	143	5	41	46	1				15	20				10	14	9	45		35
		8	63	71					18	26	3		1	5	26	1	56	150	47
Menominee	167	9	102	111			2		19	40	3				50	10	94	170	65
Midland	103	9	70	79			3	1	18	24					33	21	50	120	65
Missaukee	77	15	53	68	1	5	2	18	8	1					30	13	55	91	74
		10	62	72			6	1	19	14					33	10	61		79
Monroe	184	26	118	144	8	3	5		73	36	2		15		7	15	125	224	64
Montcalm	211	18	98	116	2		2	2	42	23		2	20			35	76	253	45
Montmorency	33	9	37	46	2		2		11	16	2				19	4	45	27	170
Muskegon	248	19	81	100	4		1	2	22	36					32	7	76	335	19
Newaygo	145	9	58	67		1	4	1	34	19		1			5	20	59	294	22
		20	93	113	1	1	4	1	48	35	2	3		1	15	38	97		38
Oakland	315	30	235	265	4	8	34	2	106	60		2	10	17	22	73	225	405	65
Oceana	120	20	48	68	3		3		23	14	1			7	28	12	50	200	34
Ogemaw	58	6	55	61			1	2	23	11		3			19	5	49	72	117
Ontonagon	72	2	28	30	3		2	2	6	12					5	10	27	80	37
Osceola	133	21	116	137	3		22	2	34	28	1				48	31	135	179	76
		24	105	129			7	3	40	36					29	28	129		72
	21	10	14	24															
	59	8	54	62	1		11		20	15		2			10	24	55	57	108
	234	23	100	123	5		22	6	45	25		5	7		13	35	103	320	38
		14	41	55	2		2	3	30	8					12	12	45		17
	57	10	49	59			2	2	15	14	4					16	53	48	123
	23																	22	
	425	56	213	269	10	15	20	8	75	100		10	220		50	150	325	478	77
		28	118	146	7	1	4	5	66	29				3	36	28	140		30

St. Clair	293	31	213	244	2	1	10	3	78	76			2	13	68	45	191	326	74
St. Joseph	200	19	98	117	.....	2	17	8	36	36			.....	.....	24	39	.....	219	53
		*	.....	.....	.....	.....	.....	.....	..	..			.....	.....	.....	.....	.....		
Sanilac	191	46	76	122	3	.....	1	4	49	60			.....	.....	12	15	98	259	47
Schoolcraft	37	10	53	63	1	.....	15	.....	7	14			16	.....	10	19	59	74	85
Shiawassee	218	12	108	120	1	.....	4	.....	39	40			.....	6	27	31	86	321	37
Tuscola	208	15	84	99	.....	.....	3	3	26	67			.....	.....	22	10	67	224	67
Van Buren	234	37	164	201	3	4	15	2	93	49		6	17	.....	2	37	.....	281	71
Washtenaw	320	8	73	81	.....	.....	2	.....	23	40	1		5	.....	14	15	75	330	26
		69	266	335	5	5	107	10	96	56	2		.....	.....	.....	134	.....		25
		180	910	1,090	.....	.....	.....						.....	.....	.....	.....	1,080		82
		*	.....	.....	.....	.....	.....	.....	..	..			.....	.....	.....	.....	.....		.....
		26	117	143	.....	.....	29	6	48	18	.....	.....	.....	.....	.....	85	.....		10
Wayne	1,438	*	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1,330	.....
		*	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....		.....
		34	127	161	2	.....	26	3	51	25	.....	.....	.....	.....	.....	46	.....		12
		250	1,500	1,750	.....	.....	.....				.....	.....	.....	.....	.....	.....	1,650		131
		49	125	174	2	.....	24	3	52	37	.....	2	.....	.....	.....	40	174		13
Wexford	136	4	35	39	1	.....	8		14	16	.....	.....	.....	.....	28	11	36	166	23
		7	88	95	.....	.....	.....		.....	.....	.....	.....	.....	.....	.....	.....	.....		57

* No report received.
† No institute held.

TABLE XXIV.

County boards of school examiners for 1904–1905.

County.		Name.	Address.	Occupation.
Alcona	$300	W. H. Sanborn	Harrisville	Teacher.
		John A. Stewart	Millersburg	Teacher.
		Thos. B. Cook	Harrisville	Teacher.
Alger	500	Melvin E. Shippey	Chatham	Teacher.
		H. A. Schall	Grand Marais	Teacher.
		Orvice LaBounty	Munising	Teacher.
Allegan	1,350	Ira G. Thorpe	Allegan	Teacher.
		R. M. Sprague	Douglas	Teacher.
		Volney Stuck	Hopkins Station	Teacher.
Alpena	550	James A. Case	Alpena	Farmer.
		E. L. Little	Alpena	Clergyman.
		E. H. Fox	Long Rapids	Teacher.
Antrim	1,000	H. M. Coldren	Bellaire	Teacher.
		J. W. Hawley	East Jordan	Farmer.
		Geo. E. Cabanis	Bellaire	Farmer.
Arenac	560	Morley E. Osborne	Standish	Teacher.
		D. D. Pattie	Sterling	Teacher.
		George H. Glasure	Au Gres	Teacher.
Baraga	650	S. O. Clinton	Baraga	Teacher.
		Helen O'Connor	L'Anse	Teacher.
		Kate Curry	L'Anse	Teacher.
Barry	1,200	J. C. Ketcham	Hastings	Teacher.
		Don D. Putnam	Prairieville	
		A. W. Chamberlain	Hastings	Teacher.
Bay	1,000	J. B. Laing	Bay City	Teacher.
		Otto J. Manary	West Bay City	Teacher.
		James Cotter	Essexville	Teacher.
Benzie	500	W. Daines	Benzonia	
		Lillian Jaquith	Benzonia	Teacher.
		Lizzie Tillie	South Frankfort	Teacher.
Berrien	1,200	C. D. Jennings	St. Joseph	Teacher.
		G. N. Otwell	Berrien Springs	Teacher.
		E. C. Harner	Benton Harbor	Real estate.
Branch	1,500	James Swain	Coldwater	Teacher.
		E. A. Hurley	Coldwater	Teacher.
		F. E. Knapp	Quincy	Teacher.
Calhoun	1,560	Frank D. Miller	Marshall	Teacher.
		Allison J. Flint	Homer	Farmer.
		F. L. McPherson	Battle Creek	Teacher.
Cass	1,000	W. H. C. Hale	Cassopolis	Teacher.
		H. S. East	Vandalia	Teacher.
		John Finley	Dowagiac	Teacher.
Charlevoix	600	J. H. Milford	South Arm	Teacher.
		R. P. Vanaw	Walloon Lake	Teacher.
		Hulbert F. Bell	Boyne	Teacher.
Cheboygan	1,000	F. W. Baker	Cheboygan	Teacher.
		T. D. Meggison	Mackinaw	Teacher.
		W. L. Cottey	Wolverine	Teacher.
Chippewa	800	F. R. Easterday	Sault Ste. Marie	Preacher.
		D. W. McLean	Detour	Teacher.
		T. B. Aldrich	Brimley	Teacher.
Clare	500	E. G. Welch	Clare	Editor.
		Dalzell Gibson	Crooked Lake	Teacher.
		John F. Brown	Temple	Teacher.
Clinton	1,200	T. H. Townsend	St. Johns	
		E. J. Leddick	Fowler	Teacher.
		R. A. Burnes	Westphalia	Teacher.
Crawford	200	J. F. Bradley	Grayling	Teacher.
		Julia Inglis	Frederic	Teacher.
		Mrs. Isabel Cobb	Frederic	Teacher.
Delta	500	P. R. Legg	Gladstone	
		F. D. Davis	Escanaba	Teacher.
		Chas. U. Woodpert	Wells	Teacher.
Dickinson	1,200	F. L. Parmenter	Iron Mount[illegible]	
		L. F. Amidon	Iron Mount	[illegible]her.
		F. P. Frost	Norway	[illegible]her.

TABLE XXIV.—CONTINUED.

County.		Name.	Address.	Occupation.
Eaton	$1,500	J. L. Wagner	Charlotte	Teacher.
		M. R. Parmelee	Charlotte	Teacher.
		A. A. Worcester	Eaton Rapids	Teacher.
Emmet	600	R. M. Winston	Petoskey	
		W. R. Hurd	Harbor Springs	Merchant.
		Carl Worden	Petoskey	Teacher.
Genesee	1,200	F. J. Johnson	Flint	
		H. E. Potter	Grand Blanc	Teacher.
		E. A. Branch	Otisville	Teacher.
Gladwin	500	F. E. Armstrong	Gladwin	Teacher.
		Mae Shell	Gladwin	Teacher.
		Charlotte Ferrell	Beaverton	Teacher.
Gogebic	450	L. L. Wright	Ironwood	Teacher.
		L. W. Brice	Wakefield	Teacher.
		Amelia F. Olcott	Bessemer	Teacher.
Grand Traverse	850	Geo. Crispe	Traverse City	Teacher.
		Lee Hornsby	Traverse City	
		E. O. Ladd	Old Mission	Farmer.
Gratiot	1,200	C. F. Pike	Ithaca	Teacher.
		Howard Potter	North Star	Teacher.
		W. E. Swope	Breckenridge	Teacher.
Hillsdale	1,200	C. P. Hulce	Hillsdale	Teacher.
		C. L. Poor	Waldron	Teacher.
		H. P. McClave	Pittsford	Teacher.
Houghton	1,000	Wm. Bath	Houghton	Clerk.
		Fred A. Jeffers	Atlantic Mine	Teacher.
		A. Peterman	Calumet	Lawyer.
Huron	1,200	David Kaercher	Sebewaing	Teacher.
		W. H. Hathaway	Port Hope	Teacher.
		Geo. F. Manning	Elkton	Teacher.
Ingham	1,350	A. G. Wilson	Mason	Farmer.
		Leroy Dietz	Williamston	Teacher.
		Geo. W. Harvey	Lansing	Teacher.
Ionia	1,200	Harvey H. Lowrey	Ionia	
		Chas. Reasoner	Pewamo	Teacher.
		Geo. E. Downs	Lake Odessa	Teacher.
Iosco	300	J. A. Campbell	Whittemore	Teacher.
		Mina Hamilton	East Tawas	Teacher.
		B. G. Sutton	Au Sable	Teacher.
Iron	300	John F. Mason	Amasa	Teacher.
		E. E. Allen	Stambaugh	Teacher.
		A. L. Flewelling	Crystal Falls	Teacher.
Isabella	1,400	H. A. Graham	Mt. Pleasant	Teacher.
		F. E. Morrison	Loomis	Teacher.
		A. W. Lynch	Rosebush	Teacher.
Jackson	1,500	Thos. M. Sattler	Jackson	Teacher.
		J. Ray Fisher	Leslie	Teacher.
		T. H. Brown	Brooklyn	Teacher.
Kalamazoo	1,200	J. W. Hazard	Kalamazoo	Teacher.
		C. H. McLain	Schoolcraft	Teacher.
		Arthur Stannard	Galesburg	
Kalkaska	500	Irene L. Getty	Kalkaska	Teacher.
		W. D. Merrill	Kalkaska	Teacher.
		W. J. Hoover	Kalkaska	Teacher.
Kent	1,500	A. R. Zimmer	Grand Rapids	Teacher.
		A. M. Freeland	Grand Rapids	
		C. M. Ferner	Grandville	Teacher.
Keweenaw	250	P. O. Decker	Mohawk	Teacher.
		Clarence Chrysler	Copper Falls	Teacher.
		James Hamilton	Alloues	Teacher.
Lake	500	Edwin G. Johnson	Luther	Insurance.
		W. C. Giberson	Baldwin	Teacher.
		Eugene Robertson	Bristol	Teacher.
Lapeer	1,200	W. F. Laughlin	Lapeer	Teacher.
		C. H. Naylor	Imlay City	Teacher.
		R. V. Langdon	Clifford	Lawyer.

TABLE XXIV.—CONTINUED.

County.		Name.	Address.	Occupation.
Leelanau	$600	J. O. Duncan	Sutton's Bay	
		E. F. Carr	Empire	Teacher.
Lenawee	1,200	M. W. Hensel	Blissfield	Teacher.
		John C. Howell	Macon	Student.
		Mae Hathaway	Blissfield	Teacher.
Livingston	1,200	N. Knooihuizen	Fowlerville	Teacher.
Luce	250	H. G. Warne	Newberry	Teacher.
		Eva E. Beurmann	Newberry	Teacher.
		Earl Reid	Dollarville	Clerk.
Mackinac	400	D. H. Stringham	St. Ignace	Bookkeeper.
		J. J. Thompson	St. Ignace	Boarding house keeper.
		W. J. Ferrant	Viola	Postmaster.
Macomb	1,100	O. D. Thompson	Mt. Clemens	Teacher.
		L. M. Johnston	Romeo	Lawyer.
		E. E. Crook	New Baltimore	Teacher.
Manistee	700	H. J. Leighton	Bear Lake	Teacher.
		C. I. Ricker	East Lake	Teacher.
		E. M. Gerred	Filer City	Teacher.
Marquette	1,800	A. E. Sterne	Ishpeming	Teacher.
		Jas. H. Kaye	Marquette	Teacher.
		F. S. Monical	Beacon	Teacher.
Mason	550	C. A. Rinehart	Scottville	Editor.
		Gertrude Barr	Custer	Teacher.
		Pauline Smith	Ludington	Teacher.
Mecosta	1,000	Edward Keeler	Big Rapids	Teacher.
		B. J. Ford	Big Rapids	Teacher.
		J. R. Miller	Big Rapids	Teacher.
Menominee	1,500	Jesse Hubbard	Menominee	Teacher.
		J. O. Prosser	Hermansville	Teacher.
		W. B. Weenink	Spalding	Teacher.
Midland	500	Jas. H. Mustard	Midland	
		G. L. Jenner	Midland	Teacher.
		W. H. Buck	Coleman	Teacher.
Missaukee	550	Ezra Hall	Lake City	Teacher.
		C. J. Jackson	Lake City	Teacher.
		M. L. Wolverton	Lake City	Teacher.
Monroe	1,200	A. C. Marvin	Monroe	Teacher.
		Vernon Smith	Big Rapids	Student.
		Frank Partlem	Newport	Teacher.
Montcalm	1,200	E. D. Straight	Stanton	Teacher.
		J. E. McClosky	Howard City	Teacher.
		F. E. Schall	Lakeview	Teacher.
Montmorency	500	S. H. Knisley	Hillman	Bank cashier.
		Mrs. W. D. Rice	Big Rock	Teacher.
		B. L. Waters	Lewiston	Teacher.
Muskegon	1,300	J. O. Reed	Whitehall	Teacher.
		J. H. Cogshall	Muskegon	Teacher.
		R. W. Brock	Muskegon	Teacher.
Newaygo	1,200	Isabella M. Becker	Fremont	
		J. C. Kritzer	Grant	Teacher.
		John Harwood	White Cloud	Teacher.
Oakland	1,400	H. S. Elliott	Oxford	Teacher.
		S. H. Westcott	Ortonville	Teacher.
		A. L. Craft	Rochester	Teacher.
Oceana	300	E. W. Fleming	Hart	Editor.
		J. L. Walker	Crystal Valley	Teacher.
		W. O. Cole	Shelby	Teacher.
Ogemaw	750	Ben Bennett	West Branch	Teacher.
		H. S. Kercher	Rose City	
		Archie McMillan	Prescott	Teacher.
Ontonagon	300	Ella Chamberlain	Ontonagon	Tea
		Harry L. Bronson	Rowen	Te
		Frank D. Smith	Ontonagon	Te

TABLE XXIV.—CONCLUDED.

County.		Name.	Address.	Occupation.
Osceola	$1,000	Geo. F. Roxburg	Reed City	Teacher.
		Myron Jerome	Evart	Teacher.
		F. C. Smith	Tustin	Teacher.
Oscoda	200	Sim J. Lewis	Mio	Teacher.
		Mrs. Ethel Crawford	Red Oak	Housekeeper.
		Mrs. Marguerite Perry	Mio	Teacher.
Otsego	600	R. D. Bailey	Gaylord	Teacher.
		Maurice Keyworth	Elmira	Teacher.
		A. J. Armstrong	Vanderbilt	Teacher.
Ottawa	1,000	C. E. Kelly	Herrington	Teacher.
		Martin DeGraff	Lisbon	Teacher.
		Nelson Stanton	Holland	Teacher.
Presque Isle	300	M. H. Nester	Metz	Physician.
		Mrs. Fred Platz	Rogers City	Teacher.
		Ada Paine	Onaway	Teacher.
Roscommon	200	E. G. Payne	Roscommon	Druggist.
		Adelia McCrea	Roscommon	Teacher.
		Verna Gibbons	Roscommon	Housekeeper.
Saginaw	1,200	John C. Nafe	Saginaw, W. S.	Teacher.
		J. B. Griffin	Carrollton	Teacher.
		A. C. Leach	Birch Run	Teacher.
St. Clair	1,800	E. T. Blackney	Port Huron	Teacher.
		W. F. Lewis	Port Huron	Teacher.
		W. J. Tripp	St. Clair	Teacher.
St. Joseph	1,200	L. E. Miller	Centreville	Teacher.
		J. W. Cupples	Centreville	Teacher.
		Geo. DeLong	Three Rivers	Teacher.
Sanilac	1,500	Chas. G. Putney	Sandusky	Teacher.
		Fred J. Kemp	Sandusky	Teacher.
		Geo. E. Meredith	Speaker	Teacher.
Schoolcraft	500	Beulah Bowen	Manistique	Teacher.
		W. T. S. Cornell	Manistique	Teacher.
		C. W. Dunton	Manistique	Lawyer.
Shiawassee	1,200	H. E. Slocum	Corunna	Teacher.
		T. A. Mears	Lennon	Teacher.
		A. E. Sherman	New Lothrop	Teacher.
Tuscola	1,200	H. P. Bush	Caro	Teacher.
		C. L. Coffen	Unionville	Teacher.
		J. F. Goodrich	Tuscola	Teacher.
Van Buren	1,400	E. A. Aseltine	Paw Paw	Teacher.
		R. S. Howland	Breedsville	Teacher.
		Alford Robinson	Keeler	Teacher.
Washtenaw	1,500	C. E. Foster	Ann Arbor	Teacher.
		M. J. Cavenaugh	Ann Arbor	Lawyer.
		Josephine Hoppe	Chelsea	Teacher.
Wayne	1,500	E. W. Yost	Detroit	Teacher.
		Frank Cody	Delray	Teacher.
		W. Lightbody	Detroit	Teacher.
Wexford	750	W. H. Faunce	Cadillac	Teacher.
		T. H. Fewlass	Manton	Teacher.
		Mason L. Fish	Mesick	Teacher.

TABLE XXV.

General statistics of educational institutions compiled from reports of officers for the academic year 1904-1905.

Name of institution.	Location.	Name of president, superintendent, or principal.	Date of organization.	Number of instructors.	Number of students or inmates during the year.	Number of students from Michigan.	Number of graduates at last commencement.	Whole number of graduates since founded.	Number of volumes in library.	Number of volumes added to library during year.
ESTABLISHED BY ACTS OF LEGISLATURE.										
Educational:										
Central Michigan Normal School	Mt. Pleasant	Charles T. Grawn	1895	37	648	644	137	980	7,118	980
Michigan Agricultural College	Lansing	J. L. Snyder	1857	75	1,009	922	75	1,113	25,791	849
Michigan College of Mines	Houghton	F. W. McNair	1885	25	226	153	44	329	19,881	857
Michigan State Normal College	Ypsilanti	Lewis H. Jones	1852	59	1,804	1,681	310	5,265	28,000	1,000
Northern State Normal School	Marquette	James H. Kaye	1899	20	334	331	51	235	12,000	4,500
University of Michigan	Ann Arbor	James B. Angell	1837	305	4,137	2,365	845	21,025	194,885	12,205
Western Michigan Normal School	Kalamazoo	Dwight B. Waldo	1904	14	232	232	11	11	1,000	1,000
Totals				535	8,390	6,328	1,473	28,958	288,675	21,391
Charitable:										
Industrial Home for Girls	Adrian	Lucy M. Sickles	1879	36	518	518	.....	.....	1,853	.....
Industrial School for Boys	Lansing	J. E. St. John	1857	13	1,035	724	.....	.....	2,000	300
School for the Blind	Lansing	Clarence E. Holmes	1881	12	120	117	7	.....	4,115	.....
School for the Deaf	Flint	Frances D. Clarke	1855	45	361	361	5	1,686	4,900	290
State Public School	Coldwater	J. B. Montgomery	1871	5	176	176	.....	.....	2,500	.....
Totals				111	2,210	1,896	12	1,686	15,368	590
INCORPORATED UNDER ACT 39, LAWS OF 1855.										
Denominational:										
Adrian College	Adrian	B. W. Anthony	1859	15	175	50	10	450	2,000	100
Albion College	Albion	Samuel Dickie	1861	26	474	454	38	900	17,000	2,000
Alma College	Alma	August F. Bruske	1887	21	267	253	8	111	19,234	313
Detroit College	Detroit	Louis Kellinger	1881	13	235	233	13	217	12,487	367

Emmanuel Missionary College	Berrien Springs	N. W. Kauble	1899	10	75	25	.....	.....	3,000	.....
Hillsdale College	Hillsdale	Joseph W. Mauck	1855	20	316	237	21	.....	14,128	.....
Hope College	Holland	Gerrit J. Kollen	1866	18	308	240	14	343	15,000	300
Kalamazoo College	Kalamazoo	A. Gaylord Slocum	1855	13	219	177	21	401	9,500	1,050
Olivet College	Olivet	Ellsworth G. Lancaster	1859	26	282	247	20	599	30,000	1,000
Totals				162	2,351	1,916	145	3,021	122,349	5,130
Academies and Seminaries:										
Academy of the Ladies of the Loretta	Sault Ste. Marie	M. M. Eucheria	1898	7	100	91	4	15	990	15
Academy of the Sacred Heart	Detroit	Mme. Marie Louise Gerardin	1850	14	83	83	.....	.....	2,470	71
Academy of the Sacred Heart	Grosse Pointe Farms	Madame Anna Hutton	1885	17	60	50	5	63	2,400	200
Akeley Hall	Grand Haven	Susan Hill Yerkes	1889	.....	.....	.....	.....	.....	.....	.....
Benzonia Academy	Benzonia	Charles W. Dunn	1900	5	75	74	2	17	5,000	.....
Detroit Home and Day School	Detroit	Miss Ella M. Liggett	1882	30	330	320	18	337	3,000	500
Detroit Seminary	Detroit	Miss Laura C. Browning	.....	12	112	105	10	200	2,500	50
Detroit University School	Detroit	Russell A. Alger	1901	24	317	299	35	150	2,130	93
*Holy Rosary Academy	Bay City		.....	.....	.....	.....	.....	.....	.....	.....
Michigan Female Seminary	Kalamazoo	Rev. John Gray	1855	14	84	74	9	.....	2,000	50
Michigan Military Academy	Orchard Lake	Harris A. Wheeler	1877	12	120	36	20	500	5,000	.....
Nazareth Academy	Nazareth	Sister Magdalia Anderson	1897	12	86	69	2	6	5,500	200
Raisin Valley Seminary	Adrian	Jonathan H. Green	1855	6	49	43	5	186	435	.....
St. Mary's Academy	Monroe	Mother M. Mechtildis	1890	30	318	247	15	145	9,123	181
St. Mary's School	Sault Ste. Marie	Rev. Alex. A. Gagnieur	1898	8	390	390	.....	.....	500	.....
Seminary of the Felician Sisters	Detroit	Cajetane Jankiewies	1882	7	27	22	21	142	1,805	30
Spring Arbor Seminary	Spring Arbor	David S. Warner	1873	7	159	125	12	187	600	15
Theological School, Christian Reformed Church	Grand Rapids	Rev. A. Keizer	1878	10	147	112	6	116	2,600	800
Ursuline Academy	St. Ignace	Mother M. Angela	1899	9	122	120	6	10	820	20
Totals				224	2,579	2,260	170	2,074	46,873	2,225
Professional Schools:										
Detroit College of Law	Detroit	Philip T. VanZile	1893	22	176	164	40	474	13,450	611
Detroit College of Medicine	Detroit	Sidney G. Miller	1885	.....	.....	.....	.....	.....	1,200	.....
Department of Dental Surgery	.....	.....	.....	33	79	54	24	.....	.....	.....
Medicine	.....	.....	.....	82	208	151	54	.....	.....	.....
Pharmacy	.....	.....	.....	9	31	19	11	.....	.....	.....

* Building burned last year, new one in process of construction.

TABLE XXV.—Concluded.

Name of institution.	Location.	Name of president, superintendent, or principal.	Date of organization.	Number of instructors.	Number of students or inmates during the year.	Number of students from Michigan.	Number of graduates at last commencement.	Whole number of graduates since founded.	Number of volumes in library.	Number of volumes added to library during year.
Detroit Homeopathic College	Detroit	C. C. Miller	1872	32	42	24	12	50	200	.....
Grand Rapids Medical College	Grand Rapids	William Fuller	1897	22	45	45	3	72	300	50
Michigan College of Medicine and Surgery	Detroit	Hal C. Wyman	1888	48	70	52	22	500	5,000	400
†Saginaw Valley Medical College	Saginaw	.....	.....	.....	.....	.....	.....	.....	.....	.....
Sprague Correspondence School of Law	Detroit	William C. Sprague	.....	4	866	.....	.....	.....	300	.....
Totals				252	1,517	509	166	1,096	20,450	1,061
Schools with Normal and Business Course:										
Benton Harbor College	Benton Harbor	George J. Edgcumbe	1892	18	325	298	27	332	1,018	12
Cedar Lake Industrial Academy	Cedar Lake	Sylvester M. Butler	1902	4	49	48	.....	.....	200	.....
Cleary Business College	Ypsilanti	P. R. Cleary	1891	11	385	377	93	1,043	546	6
Fenton Normal School and Commercial College	Fenton	S. F. Browne	1898	6	228	221	26	222	1,928	735
Ferris Institute	Big Rapids	Woodbridge N. Ferris	1884	20	1,807	1,711	61	632	1,200	100
Grand Rapids Business University	Grand Rapids	A. S. Parish	1897	5	256	256	.....	.....	.....	.....
International Business College	Saginaw	S. W. Pearcy	1896	4	155	.....	20	67	.....	.....
Jackson Business University	Jackson	C. P. Thompson	1901	4	147	145	23	.....	.....	.....
Ludington Business College	Ludington	W. H. Martindill	1898	2	77	77	36	.....	95	.....
Michigan Business and Normal College Company	Battle Creek	C. J. Argubright	1882	3	263	250	125	.....	.....	.....
‡Three Rivers Business Academy and Normal School	Three Rivers	N. Johnston	.....	.....	.....	.....	.....	.....	.....	.....
Totals				77	3,692	3,383	411	2,296	4,987	853

† Consolidated with the Michigan College of Medicine and Surgery of Detroit, June, 1903.
‡ No longer incorporated.

TABLE XXVI.

Financial statistics of educational institutions compiled from reports of officers for the academic year 1904–1905.

Name of institution.	Annual cost of tuition per student.	Average cost of board per week.	Total average annual cost to each student.	Total average annual cost of each student to the state.	Estimated value of buildings, grounds, library, apparatus, etc.	Amount of productive funds.	Income from productive funds.	Amount of legislative appropriation for 1905.	Receipts from tuition fees during the year.	Receipts from all other sources.	Current expenses for the year.	Expenses for permanent improvements.	Liabilities.
ESTABLISHED BY ACTS OF LEGISLATURE.													
Educational:													
Central Michigan Normal School	$12 00	$2 50	$150 00	$94 23	$160,000 00	.....	.....	$61,060 00	$1,868 00	$312 00	$55,560 00	$5,500 00	.....
Michigan Agricultural College	† 15 00	2 33	200 00	.....	778,807 23	$966,253 76	$69,722 95	100,000 00	970 00	190,654 07	185,577 56	86,516 30	.....
Michigan College of Mines	25 00 † 150 00	4 75	450 00 † 600 00	240 84	423,611 70	.....	.....	54,450 00	13,015 00	17,576 50	85,041 50	57,100 00	.....
Michigan State Normal College	10 00	2 50	175 00	61 42	444,637 59	.....	4,184 20	110,805 00	10,625 00	.....	116,605 58	1,284 89	.....
Northern State Normal School	12 00	3 75	174 00	113 72	110,150 00	.....	.....	44,505 00	1,781 00	86 00	139,852 00	12,500 00	.....
University of Michigan	55 00	5 00	275 00 to 450 00	97 54	2,851,378 00	545,946 00	38,500 00	400,525 00	221,285 00	94,915 00	679,109 50	80,847 55	$15,389 81
Western Michigan Normal School	12 00	2 50	150 00 to 175 00	100 00	100,000 00	.....	.....	53,108 00	882 00	70,000 00	23,990 00	100,000 00	.....
Charitable:													
Industrial Home for Girls	.....	73	.....	110 64	246,215 96	.....	.....	70,812 50	.....	4,958 49	81,191 64	3,150 00	.....
Industrial School for Boys	.....	.....	.....	110 00	310,000 00	.....	.....	70 000 00	.....	6,111 64	75,413 35	.....	.....
School for the Blind	.....	.....	.....	293 00	176,427 00	.....	.....	51,669 00	.....	2,280 78	34,234 29	20,000 00	.....
School for the Deaf	59 80	1 22	.....	250 64	587,556 40	.....	.....	88,200 00	.....	10,465 42	97,153 39	2,420 54	.....
State Public School	.....	1 59	.....	82 72	259,950 87	5,949 64	845 40	35,000 00	.....	.....	35,845 40	1,000 00	.....
INCORPORATED UNDER ACT 39, LAWS OF 1855.													
Denominational:													
Adrian College	45 00	3 00	193 00	.....	150,000 00	80,000 00	.....	.....	3,000 00	10,000 00	.....	3,500 00	20,000 00
Albion College	30 00	3 00	200 00	.....	250 000 00	255,000 00	14,500 00	.....	16,141 47	16,408 00	46,267 00	1,067 00	.....
Alma College	32 00	2 50	150 00	.....	178,340 59	230,357 27	12,591 22	.....	5,575 76	12,213 64	25,727 41	55,274 00	22,132 92
Detroit College	60 00	.....	60 00	.....	170,000 00	.....	.....	.....	9,621 25	.....	16,100 53	.....	35,505 66
Emmanuel Missionary College	40 00	1 75	165 00	.....	42,124 39	.....	.....	.....	2,600 00	4,372 06	3,232 26	1,500 00	17,816 83
Hillsdale College	23 50	2 15	100 00 to 200 00	.....	120,098 63	229,009 68	11,938 75	.....	2,385 93	25 00	16,831 24	2,304 63	18,075 02
Hope College	18 00	2 25	175 00	.....	180,000 00	258,381 20	14,000 00	.....	2,500 00	9,000 00	26,000 00	.....	.....
Kalamazoo College	30 00	2 50	200 00 to 250 00	.....	130,000 00	387,313 22	17,640 10	.....	5,383 50	2,277 99	23,735 73	1,506 79	2,049 46
Olivet College	45 00	2 50	225 00	.....	300,000 00	125,000 00	7,000 00	.....	14,500 00	20,000 00	42,000 00	3,000 00	33,500 00

† To non-residents.

TABLE XXVI.—CONCLUDED.

Name of institution.	Annual cost of tuition per student.	Average cost of board per week.	Total average annual cost to each student.	Total average annual cost of each student to the state.	Estimated value of buildings, grounds, library, apparatus, etc.	Amount of productive funds.	Income from productive funds.	Amount of legislative appropriation for 1905.	Receipts from tuition fees during the year.	Receipts from all other sources.	Current expenses for the year.	Expenses for permanent improvements.	Liabilities.
Academies and Seminaries:													
Academy of the Ladies of the Loretto	$20 00	$3 50	$130 00	.....	.....	.....	.....	.....	$3,000 00	.....	$4,000 00	$1,000 00	$11,500 00
Academy of the Sacred Heart	40 00 & 60 00	.....	.....	.....	.....	.....	.....	.....	3,393 00	.....	3,393 00	800 00	.....
Academy of the Sacred Heart	150 00	.....	350 00	.....	.....	.....	.....	.....	15,000 00	$100 00	19,115 00	4,000 00	.....
Akeley Hall	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Benzonia Academy	25 00	2 50	125 00	.....	$10,000 00	$5,500 00	.....	.....	955 70	937 00	1,537 00	.....	800 00
Detroit Home and Day School	70 00 to 200 00	5 00	50 00	.....	85,000 00	.....	.....	.....	41,000 00	38,000 00	75,000 00	5,000 00	.....
Detroit Seminary	.....	.....	.....	.....	6,000 00	.....	.....	.....	.....	.....	.....	.....	.....
Detroit University School	.....	.....	.....	.....	38,019 57	.....	.....	.....	62,329 02	3,566 14	66,111 41	1,475 79	20,251 32
*Holy Rosary Academy	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Michigan Female Seminary	60 00	6 00	250 00	.....	100,000 00	.....	.....	.....	4,800 00	17,000 00	18,000 00	3,000 00	18,000 00
Michigan Military Academy	500 00	7 00	675 00	.....	300,000 00	.....	.....	.....	60,000 00	12,000 00	72,000 00	.....	.....
Nazareth Academy	‡ 150 00	3 75	.....	.....	125,000 00	.....	.....	.....	.....	.....	.....	.....	50,000 00
Raisin Valley Seminary	20 00	2 25	155 00	.....	6,000 00	11,300 00	$721 00	.....	802 27	853 96	1,610 25	.....	.....
St. Mary's Academy	40 00	.....	150 00	.....	99,375 00	.....	.....	.....	38,187 89	4,783 23	34,847 33	26,398 00	.....
St. Mary's School	5 17	.....	5 00	.....	23,000 00	.....	.....	.....	168 00	1,852 00	2,020 00	13,000 00	.....
Seminary of the Felician Sisters	80 00	2 27	140 00	.....	90,000 00	.....	.....	.....	478 00	1,500 00	400 00	300 00	.....
Spring Arbor Seminary	24 00	2 25	110 00	.....	15,500 00	3,000 00	200 00	.....	2,200 00	3,000 00	5,600 00	6,000 00	4,000 00
Theological School, Christian Reformed Church	26 00	3 50	250 00	.....	40,000 00	.....	.....	.....	3,303 00	8,448 79	11,345 23	203 75	.....
Ursuline Academy	5 00	3 00	120 00	.....	12,300 00	.....	.....	.....	900 00	1,500 00	2,100 00	300 00	1,200 00
Professional Schools:													
Detroit College of Law	75 00	.....	.....	.....	.....	.....	.....	.....	10,878 80	1,857 29	11,784 32	.....	.....
Detroit College of Medicine	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	40,000 00
Department of Dental Surgery	60 00	.....	94 00	.....	18,000 00	.....	.....	.....	7,060 00	2,230 40	6,818 37	.....	.....
Medicine	65 00	3 00	114 00	.....	100,000 00	.....	.....	.....	21,910 00	1,975 50	13,305 87	.....	.....
Pharmacy	50 00	.....	85 00	.....	1,500 00	.....	.....	.....	2,145 00	.....	1,410 00	.....	.....
Detroit Homeopathic College	82 50	.....	.....	.....	.....	.....	.....	.....	3,079 50	.....	.....	.....	.....
Grand Rapids Medical College	85 00	4 00	215 00	.....	35,000 00	.....	.....	.....	3,000 00	.....	2,600 00	200 00	.....
Michigan College of Medicine and Surgery	90 00	3 00 to 6 00	90 00	.....	50,000 00	8,000 00	.....	.....	6,300 00	8,000 00	8,000 00	40,000 00	.....
[illegible] Valley Medical College	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
[illegible] Correspondence School of [illegible]	25 00	.....	58 75	.....	1,000 00	.....	.....	.....	15,770 25	9,010 34	19,742 06	.....	.....

Schools with Normal and Business Course:													
Benton Harbor College	32 00 to 42 00	2 20	119 20	.....	65,000 00	.....	.....	.....	7,900 00	7,900 00	3,600 00	150 00	500 00
Cedar Lake Industrial Academy	35 00	1 50	125 00	.....	8,000 00	.....	.....	.....	1,232 50	1,606 38	2,057 98	500 00	917 29
Cleary Business College	40 00 to 80 00	2 50	.....	.....	33,985 00	.....	.....	.....	9,903 24	1,016 25	10,984 37	.....	10,200 00
Fenton Normal School and Commercial College	50 00 & 75 00	2 35	.....	.....	15,000 00	.....	.....	.....	7,148 00	.....	3,950 00	300 00	800 00
Ferris Institute	25 00 to 50 00	2 50	180 00	.....	50,000 00	.....	.....	.....	31,000 00	3,500 00	32,000 00	700 00	.....
Grand Rapids Business University	90 00	4 00	105 00	.....	.....	.....	.....	.....	6,580 79	573 64	8,281 40	324 69	.....
International Business College	80 00	3 25	225 00	.....	.....	.....	.....	.....	5,174 05	528 00	5,450 51	.....	.....
Jackson Business University	80 00	2 85	300 00	.....	4,500 00	.....	.....	.....	3,040 26	1,808 09	3,256 75	200 00	.....
Ludington Business College	40 00	3 00	150 00	.....	3,000 00	.....	1,225 80	.....	.....	.....	450 00	150 00	.....
Michigan Business and Normal College Company	75 00	3 00	250 00	.....	5,000 00	.....	7,850 00	.....	7,850 00	.....	5,000 00	.....	850 00
§Three Rivers Business Academy and Normal School	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....

* Building burned last year new one in process of construction.
‡ Board and tuition.
‖ Consolidated with Michigan College of Medicine and Surgery, of Detroit, June, 1903.
§ No longer incorporated.

TABLE XXIV.—CONTINUED.

County.		Name.	Address.	Occupation.
Leelanau	$600	J. O. Duncan	Sutton's Bay	
		E. F. Carr	Empire	Teacher.
Lenawee	1,200	M. W. Hensel	Blissfield	Teacher.
		John C. Howell	Macon	Student.
		Mae Hathaway	Blissfield	Teacher.
Livingston	1,200	N. Knooihuizen	Fowlerville	Teacher.
Luce	250	H. G. Warne	Newberry	Teacher.
		Eva E. Beurmann	Newberry	Teacher.
		Earl Reid	Dollarville	Clerk.
Mackinac	400	D. H. Stringham	St. Ignace	Bookkeeper.
		J. J. Thompson	St. Ignace	Boarding house keeper.
		W. J. Ferrant	Viola	Postmaster.
Macomb	1,100	O. D. Thompson	Mt. Clemens	Teacher.
		L. M. Johnston	Romeo	Lawyer.
		E. E. Crook	New Baltimore	Teacher.
Manistee	700	H. J. Leighton	Bear Lake	Teacher.
		C. I. Ricker	East Lake	Teacher.
		E. M. Gerred	Filer City	Teacher.
Marquette	1,800	A. E. Sterne	Ishpeming	Teacher.
		Jas. H. Kaye	Marquette	Teacher.
		F. S. Monical	Beacon	Teacher.
Mason	550	C. A. Rinehart	Scottville	Editor.
		Gertrude Barr	Custer	Teacher.
		Pauline Smith	Ludington	Teacher.
Mecosta	1,000	Edward Keeler	Big Rapids	Teacher.
		B. J. Ford	Big Rapids	Teacher.
		J. R. Miller	Big Rapids	Teacher.
Menominee	1,500	Jesse Hubbard	Menominee	Teacher.
		J. O. Prosser	Hermansville	Teacher.
		W. B. Weenink	Spalding	Teacher.
Midland	500	Jas. H. Mustard	Midland	
		G. L. Jenner	Midland	Teacher.
		W. H. Buck	Coleman	Teacher.
Missaukee	550	Ezra Hall	Lake City	Teacher.
		C. J. Jackson	Lake City	Teacher.
		M. L. Wolverton	Lake City	Teacher.
Monroe	1,200	A. C. Marvin	Monroe	Teacher.
		Vernon Smith	Big Rapids	Student.
		Frank Partlem	Newport	Teacher.
Montcalm	1,200	E. D. Straight	Stanton	Teacher.
		J. E. McClosky	Howard City	Teacher.
		F. E. Schall	Lakeview	Teacher.
Montmorency	500	S. H. Knisley	Hillman	Bank cashier.
		Mrs. W. D. Rice	Big Rock	Teacher.
		B. L. Waters	Lewiston	Teacher.
Muskegon	1,300	J. O. Reed	Whitehall	Teacher.
		J. H. Cogshall	Muskegon	Teacher.
		R. W. Brock	Muskegon	Teacher.
Newaygo	1,200	Isabella M. Becker	Fremont	
		J. C. Kritzer	Grant	Teacher.
		John Harwood	White Cloud	Teacher.
Oakland	1,400	H. S. Elliott	Oxford	Teacher.
		S. H. Westcott	Ortonville	Teacher.
		A. L. Craft	Rochester	Teacher.
Oceana	300	E. W. Fleming	Hart	Editor.
		J. L. Walker	Crystal Valley	Teacher.
		W. O. Cole	Shelby	Teacher.
Ogemaw	750	Ben Bennett	West Branch	Teacher.
		H. S. Kercher	Rose City	
		Archie McMillan	Prescott	Teacher.
Ontonagon	300	Ella Chamberlain	Ontonagon	Teacher.
		Harry I. Bronson	Ewen	Teacher.
		Frank D. Smith	Ontonagon	Teacher.

TABLE XXIV.—CONCLUDED.

County.		Name.	Address.	Occupation.
Osceola	$1,000	Ceo. F. Roxburg	Reed City	Teacher.
		Myron Jerome	Evart	Teacher.
		F. C. Smith	Tustin	Teacher.
Oscoda	200	Sim J. Lewis	Mio	Teacher.
		Mrs. Ethel Crawford	Red Oak	Housekeeper.
		Mrs. Marguerite Perry	Mio	Teacher.
Otsego	600	R. D. Bailey	Gaylord	Teacher.
		Maurice Keyworth	Elmira	Teacher.
		A. J. Armstrong	Vanderbilt	Teacher.
Ottawa	1,000	C. E. Kelly	Herrington	Teacher.
		Martin DeGraff	Lisbon	Teacher.
		Nelson Stanton	Holland	Teacher.
Presque Isle	300	M. H. Nester	Metz	Physician.
		Mrs. Fred Platz	Rogers City	Teacher.
		Ada Paine	Onaway	Teacher.
Roscommon	200	E. G. Payne	Roscommon	Druggist.
		Adelia McCrea	Roscommon	Teacher.
		Verna Gibbons	Roscommon	Housekeeper.
Saginaw	1,200	John C. Nafe	Saginaw, W. S.	Teacher.
		J. B. Griffin	Carrollton	Teacher.
		A. C. Leach	Birch Run	Teacher.
St. Clair	1,800	E. T. Blackney	Port Huron	Teacher.
		W. F. Lewis	Port Huron	Teacher.
		W. J. Tripp	St. Clair	Teacher.
St. Joseph	1,200	L. E. Miller	Centreville	Teacher.
		J. W. Cupples	Centreville	Teacher.
		Geo. DeLong	Three Rivers	Teacher.
Sanilac	1,500	Chas. G. Putney	Sandusky	Teacher.
		Fred J. Kemp	Sandusky	Teacher.
		Geo. E. Meredith	Speaker	Teacher.
Schoolcraft	500	Beulah Bowen	Manistique	Teacher.
		W. T. S. Cornell	Manistique	Teacher.
		C. W. Dunton	Manistique	Lawyer.
Shiawassee	1,200	H. E. Slocum	Corunna	Teacher.
		T. A. Mears	Lennon	Teacher.
		A. E. Sherman	New Lothrop	Teacher.
Tuscola	1,200	H. P. Bush	Caro	Teacher.
		C. L. Coffen	Unionville	Teacher.
		J. F. Goodrich	Tuscola	Teacher.
Van Buren	1,400	E. A. Aseltine	Paw Paw	Teacher.
		R. S. Howland	Breedsville	Teacher.
		Alford Robinson	Keeler	Teacher.
Washtenaw	1,500	C. E. Foster	Ann Arbor	Teacher.
		M. J. Cavenaugh	Ann Arbor	Lawyer.
		Josephine Hoppe	Chelsea	Teacher.
Wayne	1,500	E. W. Yost	Detroit	Teacher.
		Frank Cody	Delray	Teacher.
		W. Lightbody	Detroit	Teacher.
Wexford	750	W. H. Faunce	Cadillac	Teacher.
		T. H. Fewlass	Manton	Teacher.
		Mason L. Fish	Mesick	Teacher.

TABLE XXV.

General statistics of educational institutions compiled from reports of officers for the academic year 1904-1905.

Name of institution.	Location.	Name of president, superintendent, or principal.	Date of organization.	Number of instructors.	Number of students or inmates during the year.	Number of students from Michigan.	Number of graduates at last commencement.	Whole number of graduates since founded.	Number of volumes in library.	Number of volumes added to library during year.
ESTABLISHED BY ACTS OF LEGISLATURE.										
Educational:										
Central Michigan Normal School	Mt. Pleasant	Charles T. Grawn	1895	37	648	644	137	980	7,118	980
Michigan Agricultural College	Lansing	J. L. Snyder	1857	75	1,009	922	75	1,113	25,791	849
Michigan College of Mines	Houghton	F. W. McNair	1885	25	226	153	44	329	19,881	857
Michigan State Normal College	Ypsilanti	Lewis H. Jones	1852	59	1,804	1,681	310	5,265	28,000	1,000
Northern State Normal School	Marquette	James H. Kaye	1899	20	334	331	51	235	12,000	4,500
University of Michigan	Ann Arbor	James B. Angell	1837	305	4,137	2,365	845	21,025	194,885	12,205
Western Michigan Normal School	Kalamazoo	Dwight B. Waldo	1904	14	232	232	11	11	1,000	1,000
.....				535	8,390	6,328	1,473	28,958	288,675	21,391
...ome for Girls	Adrian	Lucy M. Sickles	1879	36	518	518	.....	.....	1,853	.....
...School for Boys	Lansing	J. E. St. John	1857	13	1,035	724	.....	.....	2,000	300
...r the Blind	Lansing	Clarence E. Holmes	1881	12	120	117	7	.....	4,115	.....
...ool for the Deaf	Flint	Frances D. Clarke	1855	45	361	361	5	1,686	4,900	290
State Public School	Coldwater	J. B. Montgomery	1871	5	176	176	.....	.....	2,500	.....
Totals				111	2,210	1,896	12	1,686	15,368	590
INCORPORATED UNDER ACT 39, LAWS OF 1855.										
Denominational:										
Adrian College	Adrian	B. W. Anthony	1859	15	175	50	10	450	2,000	100
Albion College	Albion	Samuel Dickie	1861	26	474	454	38	900	17,000	2,000
Alma College	Alma	August F. Bruske	1887	21	267	253	8	111	19,234	313
Detroit College	Detroit	Louis Kellinger	1881	13	235	233	13	217	12,487	367

Emmanuel Missionary College	Berrien Springs	N. W. Kauble	1899	10	75	25	.....	.....	3,000	.....
Hillsdale College	Hillsdale	Joseph W. Mauck	1855	20	316	237	21	.....	14,128	.....
Hope College	Holland	Gerrit J. Kollen	1866	18	308	240	14	343	15,000	300
Kalamazoo College	Kalamazoo	A. Gaylord Slocum	1855	13	219	177	21	401	9,500	1,050
Olivet College	Olivet	Ellsworth G. Lancaster	1859	26	282	247	20	599	30,000	1,000
Totals				162	2,351	1,916	145	3,021	122,349	5,130
Academies and Seminaries:										
Academy of the Ladies of the Loretta	Sault Ste. Marie	M. M. Eucheria	1898	7	100	91	4	15	990	15
Academy of the Sacred Heart	Detroit	Mme. Marie Louise Gerardin	1850	14	83	83	.....	.....	2,470	71
Academy of the Sacred Heart	Grosse Pointe Farms	Madame Anna Hutton	1885	17	60	50	5	63	2,400	200
Akeley Hall	Grand Haven	Susan Hill Yerkes	1889	.....	.....	.....	.....	.....	.....	.....
Benzonia Academy	Benzonia	Charles W. Dunn	1900	5	75	74	2	17	5,000	.....
Detroit Home and Day School	Detroit	Miss Ella M. Liggett	1882	30	330	320	18	337	3,000	500
Detroit Seminary	Detroit	Miss Laura C. Browning	.....	12	112	105	10	200	2,500	50
Detroit University School	Detroit	Russell A. Alger	1901	24	317	299	35	150	2,130	93
*Holy Rosary Academy	Bay City	.....	.....	.....	.....	.....	.....	.....	.....	.....
Michigan Female Seminary	Kalamazoo	Rev. John Gray	1855	14	84	74	9	.....	2,000	50
Michigan Military Academy	Orchard Lake	Harris A. Wheeler	1877	12	120	36	20	500	5,000	.....
Nazareth Academy	Nazareth	Sister Magdalia Anderson	1897	12	86	69	2	6	5,500	200
Raisin Valley Seminary	Adrian	Jonathan H. Green	1855	6	49	43	5	186	435	.....
St. Mary's Academy	Monroe	Mother M. Mechtildis	1890	30	318	247	15	145	9,123	181
St. Mary's School	Sault Ste. Marie	Rev. Alex. A. Gagnieur	1898	8	390	390	.....	.....	500	.....
Seminary of the Felician Sisters	Detroit	Cajetane Jankiewies	1882	7	27	22	21	142	1,805	30
Spring Arbor Seminary	Spring Arbor	David S. Warner	1873	7	159	125	12	187	600	15
Theological School, Christian Reformed Church	Grand Rapids	Rev. A. Keizer	1878	10	147	112	6	116	2,600	800
Ursuline Academy	St. Ignace	Mother M. Angela	1899	9	122	120	6	10	820	20
Totals				224	2,579	2,260	170	2,074	46,873	2,225
Professional Schools:										
Detroit College of Law	Detroit	Philip T. VanZile	1893	22	176	164	40	474	13,450	611
Detroit College of Medicine	Detroit	Sidney G. Miller	1885	.....	.....	.....	.....	.....	1,200	.....
Department of Dental Surgery	.....	.....	.....	33	79	54	24	.....	.....	.....
Medicine	.....	.....	.....	82	208	151	54	.....	.....	.....
Pharmacy	.....	.....	.....	9	31	19	11	.....	.....	.....

* Building burned last year, new one in process of construction.

TABLE XXV.—Concluded.

Name of institution.	Location.	Name of president, superintendent, or principal.	Date of organization.	Number of instructors.	Number of students or inmates during the year.	Number of students from Michigan.	Number of graduates at last commencement.	Whole number of graduates since founded.	Number of volumes in library.	Number of volumes added to library during year.
Detroit Homeopathic College	Detroit	C. C. Miller	1872	32	42	24	12	50	200	.....
Grand Rapids Medical College	Grand Rapids	William Fuller	1897	22	45	45	3	72	300	50
Michigan College of Medicine and Surgery	Detroit	Hal C. Wyman	1888	48	70	52	22	500	5,000	400
†Saginaw Valley Medical College	Saginaw	.....	.....	.....	.....	.....	.....	.....	.....	.....
Sprague Correspondence School of Law	Detroit	William C. Sprague	.....	4	866	.....	.....	.....	300	.....
Totals				252	1,517	509	166	1,096	20,450	1,061
Schools with Normal and Business Course:										
Benton Harbor College	Benton Harbor	George J. Edgcumbe	1892	18	325	298	27	332	1,018	12
Cedar Lake Industrial Academy	Cedar Lake	Sylvester M. Butler	1902	4	49	48	.....	.....	200	.....
Cleary Business College	Ypsilanti	P. R. Cleary	1891	11	385	377	93	1,043	546	6
Fenton Normal School and Commercial College	Fenton	S. F. Browne	1898	6	228	221	26	222	1,928	735
Ferris Institute	Big Rapids	Woodbridge N. Ferris	1884	20	1,807	1,711	61	632	1,200	100
Grand Rapids Business University	Grand Rapids	A. S. Parish	1897	5	256	256	.....	.....	.....	.....
International Business College	Saginaw	S. W. Pearcy	1896	4	155	.....	20	67	.....	.....
Jackson Business University	Jackson	C. P. Thompson	1901	4	147	145	23	.....	.....	.....
Ludington Business College	Ludington	W. H. Martindill	1898	2	77	77	36	.....	95	.....
Michigan Business and Normal College Company	Battle Creek	C. J. Argubright	1882	3	263	250	125	.....	.....	.....
‡Three Rivers Business Academy and Normal School	Three Rivers	N. Johnston	.....	.....	.....	.....	.....	.....	.....	.....
Totals				77	3,692	3,383	411	2,296	4,987	853

†ted with the Michigan College of Medicine and Surgery of Detroit, June, 1903.
‡ incorporated.

TABLE XXVI.

Financial statistics of educational institutions compiled from reports of officers for the academic year 1904–1905.

Name of institution.	Annual cost of tuition per student.	Average cost of board per week.	Total average annual cost to each student.	Total average annual cost of each student to the state.	Estimated value of grounds, buildings, library, apparatus, etc.	Amount of productive funds.	Income from productive funds.	Amount of legislative appropriation for 1905.	Receipts from tuition fees during the year.	Receipts from all other sources.	Current expenses for the year.	Expenses for permanent improvements.	Liabilities.
ESTABLISHED BY ACTS OF LEGISLATURE.													
Educational:													
Central Michigan Normal School	$12 00	$2 50	$150 00	$94 23	$160,000 00	.....	.....	$61,060 00	$1,868 00	$312 00	$55,560 00	$5,500 00	.....
Michigan Agricultural College	† 15 00	2 33	200 00	.....	778,807 23	$966,253 76	$69,722 95	100,000 00	970 00	190,654 07	185,577 56	86,516 30	.....
Michigan College of Mines	25 00 † 150 00	4 75	450 00 † 600 00	240 84	423,611 70	.....	.....	54,450 00	13,015 00	17,576 50	85,041 50	57,100 00	.....
Michigan State Normal College	10 00	2 50	175 00	61 42	444,637 59	.....	4,184 20	110,805 00	10,625 00	.....	116,605 58	1,284 89	.....
Northern State Normal School	12 00	3 75	174 00	113 72	110,150 00	.....	.....	44,505 00	1,781 00	86 00	139,852 00	12,500 00	.....
University of Michigan	55 00	5 00	275 00 to 450 00	97 54	2,851,378 00	545,946 00	38,500 00	400,525 00	221,285 00	94,915 00	679,109 50	80,847 55	$15,389 81
Western Michigan Normal School	12 00	2 50	150 00 to 175 00	100 00	100,000 00	.....	.....	53,108 00	882 00	70,000 00	23,990 00	100,000 00	.....
Charitable:													
Industrial Home for Girls	.....	73	.....	110 64	246,215 96	.....	.....	70,812 50	.....	4,958 49	81,191 64	3,150 00	.....
Industrial School for Boys	.....	.....	.....	110 00	310,000 00	.....	.....	70 000 00	.....	6,111 64	75,413 35	.....	.....
School for the Blind	.....	.....	.....	293 00	176,427 00	.....	.....	51,669 00	.....	2,280 78	34,234 29	20,000 00	.....
School for the Deaf	59 80	1 22	.....	250 64	587,556 40	.....	.....	88,200 00	.....	10,465 42	97,153 39	2,420 54	.....
State Public School	.....	1 59	.....	82 72	259,950 87	5,949 64	845 40	35,000 00	.....	.....	35,845 40	1,000 00	.....
INCORPORATED UNDER ACT 39, LAWS OF 1855.													
Denominational:													
Adrian College	45 00	3 00	193 00	.....	150,000 00	80,000 00	.....	.....	3,000 00	10,000 00	.....	3,500 00	20,000 00
Albion College	30 00	3 00	200 00	.....	250 000 00	255,000 00	14,500 00	.....	16,141 47	16,408 00	46,267 00	1,067 00	.....
Alma College	32 00	2 50	150 00	.....	178,340 59	230,357 27	12,591 22	.....	5,575 76	12,213 64	25,727 41	55,274 00	22,132 92
Detroit College	60 00	.....	60 00	.....	170,000 00	.....	.....	.....	9,621 25	.....	16,100 53	.....	35,505 66
Emmanuel Missionary College	40 00	1 75	165 00	.....	42,124 39	.....	.....	.....	2,600 00	4,372 06	3,232 26	1,500 00	17,816 83
Hillsdale College	23 50	2 15	100 00 to 200 00	.....	120,098 63	229,009 68	11,938 75	.....	2,385 93	25 00	16,831 24	2,304 63	18,075 02
Hope College	18 00	2 25	175 00	.....	180,000 00	258,381 20	14,000 00	.....	2,500 00	9,000 00	26,000 00	.....	.....
Kalamazoo College	30 00	2 50	200 00 to 250 00	.....	130,000 00	387,313 22	17,640 10	.....	5,383 50	2,277 99	23,735 73	1,506 79	2,049 46
Olivet College	45 00	2 50	225 00	.....	300,000 00	125,000 00	7,000 00	.....	14,500 00	20,000 00	42,000 00	3,000 00	33,500 00

† To non-residents.

TABLE XXVI.—CONCLUDED.

Name of institution.	Annual cost of tuition per student.	Average cost of board per week.	Total average annual cost to each student.	Total average annual cost of each student to the state.	Estimated value of grounds, buildings, library, apparatus, etc.	Amount of productive funds.	Income from productive funds.	Amount of legislative appropriation for 1905.	Receipts from tuition fees during the year.	Receipts from all other sources.	Current expenses for the year.	Expenses for permanent improvements.	Liabilities.
Academies and Seminaries:													
Academy of the Ladies of the Loretto	$20 00	$3 50	$130 00	.....	.....	.....	.....	.....	$3,000 00	.....	$4,000 00	$1,000 00	$11,500 00
Academy of the Sacred Heart.....	40 00 & 60 00	.....	.....	.....	.....	.....	.....	.....	3,393 00	.....	3,393 00	800 00	.....
Academy of the Sacred Heart.....	150 00	.....	350 00	.....	.....	.....	.....	.....	15,000 00	$100 00	19,115 00	4,000 00	.....
Akeley Hall.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Benzonia Academy.....	25 00	2 50	125 00	.....	$10,000 00	$5,500 00	.....	.....	955 70	937 00	1,537 00	.....	800 00
Detroit Home and Day School.....	70 00 to 200 00	5 00	50 00	.....	85,000 00	.....	.....	.....	41,000 00	38,000 00	75,000 00	5,000 00	.....
Detroit Seminary.....	.....	.....	.....	.....	6,000 00	.....	.....	.....	.....	.....	.....	.....	.....
Detroit University School.....	.....	.....	.....	.....	38,019 57	.....	.....	.....	62,329 02	3,566 14	66,111 41	1,475 79	20,251 32
*Holy Rosary Academy.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Michigan Female Seminary.....	60 00	6 00	250 00	.....	100,000 00	.....	.....	.....	4,800 00	17,000 00	18,000 00	3,000 00	18,000 00
Michigan Military Academy.....	500 00	7 00	675 00	.....	300,000 00	.....	.....	.....	60,000 00	12,000 00	72,000 00	.....	.....
Nazareth Academy.....	‡ 150 00	3 75	.....	.....	125,000 00	.....	.....	.....	.....	.....	.....	.....	50,000 00
Raisin Valley Seminary.....	20 00	2 25	155 00	.....	6,000 00	11,300 00	$721 00	.....	802 27	853 96	1,610 25	.....	.....
St. Mary's Academy.....	40 00	.....	150 00	.....	99,375 00	.....	.....	.....	38,187 89	4,783 23	34,847 33	26,398 00	.....
St. Mary's School.....	5 17	.....	5 00	.....	23,000 00	.....	.....	.....	168 00	1,852 00	2,020 00	13,000 00	.....
Seminary of the Felician Sisters.....	80 00	2 27	140 00	.....	90,000 00	.....	.....	.....	478 00	1,500 00	400 00	300 00	.....
Spring Arbor Seminary.....	24 00	2 25	110 00	.....	15,500 00	3,000 00	200 00	.....	2,200 00	3,000 00	5,600 00	6,000 00	4,000 00
[illegible]ological School, Christian Re-													
[illegible]d Church.....	26 00	3 50	250 00	.....	40,000 00	.....	.....	.....	3,303 00	8,448 79	11,345 23	203 75	.....
[illegible]cademy.....	5 00	3 00	120 00	.....	12,300 00	.....	.....	.....	900 00	1,500 00	2,100 00	300 00	1,200 00
Schools:													
[illegible]lege of Law.....	75 00	.....	.....	.....	.....	.....	.....	.....	10,878 80	1,857 29	11,784 32	.....	.....
[illegible]lege of Medicine.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	40,000 00
[illegible]artment of Dental Surgery..	60 00	.....	94 00	.....	18,000 00	.....	.....	.....	7,060 00	2,230 40	6,818 37	.....	.....
Medicine.....	65 00	3 00	114 00	.....	100,000 00	.....	.....	.....	21,910 00	1,975 50	13,305 87	.....	.....
Pharmacy.....	50 00	.....	85 00	.....	1,500 00	.....	.....	.....	2,145 00	.....	1,410 00	.....	.....
Detroit Homeopathic College.....	82 50	.....	.....	.....	.....	.....	.....	.....	3,079 50	.....	.....	.....	.....
Grand Rapids Medical College.....	85 00	4 00	215 00	.....	35,000 00	.....	.....	.....	3,000 00	.....	2,600 00	200 00	.....
Michigan College of Medicine and Surgery.....	90 00	3 00 to 6 00	90 00	.....	50,000 00	8,000 00	.....	.....	6,300 00	8,000 00	8,000 00	40,000 00	.....
‖Saginaw Valley Medical College....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Sprague Correspondence School of Law.....	25 00	.....	58 75	.....	1,000 00	.....	.....	.....	15,770 25	9,010 34	19,742 06	.....	.....

Schools with Normal and Business Course:													
Benton Harbor College	32 00 to 42 00	2 20	119 20	.....	65,000 00	.....	.....	.....	7,900 00	7,900 00	3,600 00	150 00	500 00
Cedar Lake Industrial Academy	35 00	1 50	125 00	.....	8,000 00	.....	.....	.....	1,232 50	1,606 38	2,057 98	500 00	917 29
Cleary Business College	40 00 to 80 00	2 50	.....	.....	33,985 00	.....	.....	.....	9,903 24	1,016 25	10,984 37	.....	10,200 00
Fenton Normal School and Commercial College	50 00 & 75 00	2 35	.....	.....	15,000 00	.....	.....	.....	7,148 00	.....	3,950 00	300 00	800 00
Ferris Institute	25 00 to 50 00	2 50	180 00	.....	50,000 00	.....	.....	.....	31,000 00	3,500 00	32,000 00	700 00	.....
Grand Rapids Business University	90 00	4 00	105 00	.....	.....	.....	.....	.....	6,580 79	573 64	8,281 40	324 69	.....
International Business College	80 00	3 25	225 00	.....	.....	.....	.....	.....	5,174 05	528 00	5,450 51	.....	.....
Jackson Business University	80 00	2 85	300 00	.....	4,500 00	.....	.....	.....	3,040 26	1,808 09	3,256 75	200 00	.....
Ludington Business College	40 00	3 00	150 00	.....	3,000 00	.....	1,225 80	.....	.....	.....	450 00	150 00	.....
Michigan Business and Normal College Company	75 00	3 00	250 00	.....	5,000 00	.....	7,850 00	.....	7,850 00	.....	5,000 00	.....	850 00
§Three Rivers Business Academy and Normal School	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....

* Building burned last year new one in process of construction.
‡ Board and tuition.
‖ Consolidated with Michigan College of Medicine and Surgery, of Detroit, June, 1903.
§ No longer incorporated.

TABLE XXVII.

Special statistics compiled from commissioners' reports.

Counties.	Parochial schools.							
	Number of schools.	Number of children enrolled.	Age of same.	Branches taught.	Character of instruction.	Number of instructors.	Regularity of attendance.	Length of time of school.
Allegan	4	170	6 to 14	Religious doctrine, Bible history, English and German, grammar, spelling, English and German reading, writing, geography, U. S. history, drawing, physics, civil government and arithmetic	Inferior	7	Irregular	9 mos.
Alpena	3	820	6 to 18	Same as public schools up to 10th grade	Good	17	Good	10 mos.
Arenac	2	25	7 to 15	Religious doctrine and common branches	Medium	2	Poor	7 mos.
Baraga	1	90	5 to 14	Reading, writing, arithmetic, grammar, physiology, geography, drawing	Medium	4	Good	10 mos.
Bay	2	122	6 to 13	Religious doctrine, German, English, reading, writing, language, grammar, arithmetic, geography, history, government physiology, nature study, music	Good	3	Fair	10 mos.
Berrien	* 4	400	6 to 14	German and a little English	Poor	4	Poor	4 mos.
Branch	1	150	8 to 18	Common branches, music, drawing, sewing, German	Fair	3	Poor	9 mos.
Calhoun	3	325	5 to 15	Common school branches and doctrine	Good	12	Good	9 mos.
Cass	1	23	5 to 18	Arithmetic, grammar, civil government, U. S. history, spelling, writing, physiology, reading, geography, sewing, manual training, doctrine	Good	1	Good	9 mos.
Cheboygan	5	450	7 to 20	Church doctrine, English, German, Polish, French	Fair	11	Fair	8 to 10 mos.
Chippewa	1	400	5 to 14	Common school branches and doctrine	Fair	8	Poor	.....
Clinton	2	375	5 to 18	Arithmetic, English, grammar, masterpieces, reading, writing, spelling, geography, physiology, civics, U. S. history, German	Good	9	Fair	10 mos.
Delta	3	680	5 to 19	All common branches and doctrine	Good	18	Good	9 mos.
Dickinson	7	275	6 to 14	Common branches, church doctrine, music	Catholic	.....	.....	.....
[illegible]met	3	425	5 to 16	First eight grades and church doctrine	Fair	10	Good	10 mos.
.....	1	150	5 to 14	Primary and intermediate	Catholic	4	Good	9 to 10 mos.
.....	1	500	5 to 19	Graded and high school work	Fair	12	Fair	10 mos.
[illegible]verse	1	.....	.....	English branches and religious doctrine	Good	.....	.....	.....
.....	1	17	5 to 19	Common branches and Biblical history	Good	1	Good	8 mos.
.....	2	25	6 to 14	Lutheran church creed and catechism	Fair	2	.....	.....

Houghton	4	2,100	5 to 21	Same as in public schools. Twelve grades	Good	50	Good	10 mos
Huron	10	800	6 to 14	English branches, doctrine, German and Polish language	Poor	12	Irregular	10 mos.
Ingham	4	400				6		
Ionia	2	125	6 to 18	English branches as taught in other schools	Fair		Good	9 or 10 mos.
Iosco	2	150	5 to 15	Reading, writing, geography, grammar, history, music, German and English, religion	Lutheran	2	Excellent	9 mos.
Isabella	2	350	5 to 16	Common branches and religious instruction	Fair	11	Good	7 to 10 mos.
Jackson	2	600	5 to 20	Common branches through high school	Catholic	5	Good	10 mos.
Kalamazoo	4	857	5 to 20	Common subjects with music and drawing	Good	28	Good	9 to 11 mos.
Kent	* 2	200	5 to 12	Common branches and church doctrine	Fair	4	Very good	10 mos.
Leelanau	3	300	5 to 20	English branches and catholicism	Fair	6		
Lenawee	8	500	5 to 16	Common branches, catechism, and German	Fair	15	Fair	5 to 9 mos.
Macomb	14	545	5 to 14	Church history, catechism, reading, penmanship, arithmetic	Good			8 to 10 mos.
Manistee	3	1,800	5 to 16	Religion and common branches	Poor	15	Poor	9 to 11 mos.
Marquette	3	1,228	6 to 19	Common branches and religious doctrine	Catholic	23	Regular	10 mos.
Mason	4	120		Common subjects and catechism	Good	7	Very good	2 to 10 mos.
Monroe	12	600	8 to 16	Common branches, German, and church study	Very good	25	Good	8 to 10 mos.
Montcalm	2	48	6 to 18	All eighth grade subjects	Good	5	Good	
Montmorency	1	25	6 to 14	Reading, penmanship, arithmetic, grammar, geography, German	Poor	1	Good	
Muskegon	8	500	5 to 14	Branches in first eight grades and languages	Good	15	Good	3 to 12 mos.
Oakland	1	290	6 to 18	English course, Latin and religious instruction	Fair	7	Good	10 mos.
Oceana	2	150	5 to 16	Subjects in first eight grades	Good	4	Good	9 mos.
Osceola	1	60	5 to 14	Branches in first eight grades, German, and Bible	Poor	1	Irregular	10 mos.
Otsego	1	100	5 to 12	Catechism, reading, writing, arithmetic, geography, history	Fair	2	Very poor	9 mos.
Ottawa	6			State course of study partially followed		13		
Presque Isle	3	250	5 to 18	Physiology reading, writing, arithmetic, grammar, geography, spelling, civil government, U. S. history	Very good	6	Good	8 mos.
Saginaw	22			Common branches				
St. Clair	8			All common branches				
Sanilac	6							
Schoolcraft	1	200	5 to 19	The Bible, reading, spelling, arithmetic, geography, history and grammar	Religious	6	Good	9 mos.
Shiawassee	1	175	6 to 15	English branches and catechism	Catholic	5	Good	10 mos.
Tuscola	10	400	5 to 14					
Van Buren	1	15	10 to 16	Common branches, German, Bible history, catechism	Fair	2	Fair	7 mos.
Washtenaw	13	836	12 to 16	Elementary branches, music, drawing, doctrine	Fair	20	Good	3 to 10 mos.
Wayne	57	15,196	5 to 20	English is taught half a day	Fair	326	Fair	9 mos.
Wexford	1	16		Common branches and Bible history	Religious	1		4 mos.

* Exclusive of cities.

TABLE XXVII.—CONTINUED.

Special statistics compiled from commissioners' reports.

	Commercial schools.						
	Number of schools.	Number of students.	Branches taught.	Character of instruction.	Number of instructors.	Length of time of school.	Name and location of each school.
Alpena	1	180	Stenography, typewriting, and commercial	Good	5	12 mos.	"Alpena Business College," at Alpena, Mich.
Bay	1	235	Stenography, typewriting, and commercial	Individual	5	11 mos.	"Bay City Business College," Bay City, Mich.
Chippewa	2	185	Stenography, typewriting, etc.	Good	10	12 mos.	"Reed's College of Business and Liberal Arts," "Furse Business College," Sault Ste. Marie, Mich.
Genesee	1	20	Commercial arithmetic, bookkeeping, typewriting, stenography	Practice	2	12 mos.	"Bliss Business College," Flint, Mich.
Grand Traverse	2	100	High school branches, Latin, Greek, French, German, commercial work	Good	5	12 mos.	"Traverse City Business College" and "The Grand Traverse Business University," Traverse City, Mich.
Gratiot	1	70	Commercial course, music, elocution	Good	3	8 mos.	"Yerington's," St. Louis, Mich.
Hillsdale	1	30	Shorthand, typewriting, commercial	Good	2	12 mos.	"The Armstrong Business School," Hillsdale, Mich.
Ingham	1	300	Shorthand, typewriting, commercial	Good	5	12 mos.	"Lansing Business College," Lansing, Mich.
Jackson	1	150	Commercial branches	Fine	4	10 mos.	"Devlin's Business College," Jackson, Mich.
Kalamazoo	2	300	Spelling, grammar, commercial arithmetic, commercial law, bookkeeping, typewriting, and shorthand	Good	5	12 mos.	"Parson's Business College," "Michigan Business Institute," Kalamazoo, Mich.
Lenawee	1	175	Business, stenography, typewriting	Good	6	42 weeks.	"Brown's Business University," Adrian, Mich.
Manistee	1	200	Business and common branches	Good	3	11 mos.	"Manistee Business College," Manistee, Mich.
Marquette	1	87	Bookkeeping, penmanship, commercial arithmetic, composition, typewriting, and shorthand	Commercial	2	10 mos.	"Marquette Business College," Marquette, Mich.
Muskegon	2	150	All commercial subjects	Good	7	12 mos.	"Bisson College" and "Morehouse College," Muskegon, Mich.
Oakland	1	75	Commercial subjects	Professional	3	12 mos.	"Pontiac Business College," Pontiac, Mich.
St. Clair	1	.....	Private business college	.....	.....	.....	.....
St. Joseph	1	75	Stenography, bookkeeping, commercial arithmetic, and common branches	Good	2	9 mos.	"Three Rivers Business College," Three Rivers, Mich.
Shiawassee	1	50	Spelling, writing, arithmetic, bookkeeping, shorthand, typewriting	Commercial	2	8 mos.	"Owosso Business College," Owosso, Mich.
Washtenaw	1	300	Typewriting and shorthand	Commercial	4	12 mos.	"Stenographic Institute," Ann Arbor, Mich.
Wayne	3	1,410	All commercial branches	Good	30	12 mos.	"Detroit Business University," "Miles' College," "Metropolitan Business College," Detroit, Mich.

TABLE XVII.—Concluded.

Special statistics compiled from commissioners' reports.

Counties.	Private schools.						
	Number of schools.	Number of students.	Branches taught.	Character of instruction.	Number of instructors.	Length of time of school.	Name and location of each school.
Alger	1	4	Common subjects	Good	1	8 mos.	McKinnon School, Au Train township.
Berrien	1	10	Eighth and ninth grade subjects		1		
Clinton	2	25	Public school branches and German		2	9 mos.	Located in Riley township.
Delta	1	8	Subjects including eighth grade	Fair		5 mos.	Advent school near Ensign.
Emmet	1	100	College preparatory and commercial	Good	2	12 mos.	Petoskey Normal and Business College.
Ionia	1	50	English and scientific courses	English	4	9 mos.	Clarksville Academy.
Lenawee	1	250	High school subjects, music, painting and drawing	Good		36 weeks	St. Joseph's Academy, Adrian, Mich.
Shiawassee	1	20	English branches to tenth grade	Preparatory	2	8 mos.	"Oakside," Owosso.
Wayne	1	16			3		"Reed School," Detroit.

TABLE XXVIII.

Special report of day schools for the deaf.

Location.	Number of teachers employed.	Number of pupils enrolled.	Total days attendance.	Average number belonging.	Actual cost of school.
Totals	23	165	23,179.5	128.7328	$16,120 77
Bay City	1	9	1,295.5	7.1972	$850 00
Calumet	1	10	1,637.5	9.0416	1,197 00
Detroit	8	46	7,363	40.9055	5,604 16
Grand Rapids	4	29	3,654	20.3	2,150 00
Ironwood	1	6	954	5.3	750 00
Ishpeming	1	7	854	4.7444	706 75
Jackson	1	8	1,343	7.4611	800 00
Kalamazoo	1	12	1,056	5.8666	800 00
Manistee	1	8	1,342	7.4555	744 12
Menominee	1	5	381.5	2.1333	322 50
Muskegon	1	7	1,045.5	5.8083	800 00
Saginaw	1	8	1,069	5.9388	673 74
Traverse City	1	10	1,184.5	6.5805	722 50

TABLE XXIX.

Special report of the county normal training classes for the school year 1904-1905.

Counties.	No. of teachers.	Amount paid teachers.	No. of graduates.	Average age of graduates.	Average No. hours of practice teaching by each graduate.
Totals	67	$21,281 04	245	19.3	.....
Antrim	4	$1,200 00	7	18.4	150
Arenac	3	1,000 00	11	18.5	72
Barry	7	1,200 00	14	19.5	22
Charlevoix	2	1,200 00	9	20	82
Clinton	5	1,337 50	12	18	105
Gratiot	5	1,200 00	15	.....	12
Ingham	4	1,175 00	9	22.9	40
Ionia	5	1,200 00	14	19.5	23.6
Iosco	3	1,000 00	9	19	40
Kalkaska	2	1,300 00	5	21.2	60
Macomb	3	1,125 00	17	20	45
Mason	5	1,306 04	15	19.1	60
Mecosta	2	825 00	17	18.3	50.6
*Midland	.....	.....	.....	.....	.....
Oakland	2	1,250 00	17	20.3	40
Oceana	4	.....	11	20.9	27.4
Osceola	2	1,300 00	15	19.7	43.4
St. Clair	2	1,450 00	28	20.4	57.5
Shiawassee	4	1,212 50	9	19.4	25
Wexford	3	1,000 00	11	18.8	36

*to be included.

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